Illustrated Parts Breakdown

VHF-UHF SIGNAL GENERATOR

SG-44

CAL LAB
HARRIS TECHNICAL SERVICES
3888 Calle Fortunada, Ste. A
San Diego, CA 92123

a
diversified
RESEARCH
DEVELOPMENT
and
MANUFACTURING
FACILITY
in
ELECTRONICS
and
ELECTRO
MECHANICS

1005 FIRST AVE., ASBURY PARK, NEW JERSEY
AREA CODE 201 – PROSPECT 5-6100 TWX 201-775-2768
ELECTRICAL AND ELECTRONIC DESIGNERS AND MANUFACTURERS
CORPORATE HEADQUARTERS
JENKINTOWN, PENNA.

WINSLOW TELE-TRONICS, INC.

SECTION I
INTRODUCTION

1-1. The Table of Contents at the front of the catalog shows the method of grouping the parts and the sequence of the groups.

1-2. GROUP ASSEMBLY PARTS LIST.

1-3. The Group Assembly Parts List (Section II) consists of the complete signal generator divided into 25 main assemblies as shown in the Table of Contents. Each assembly listed is followed immediately by its component parts properly indented, thereunder, to show their relationship to the assembly.

a. The quantities listed in the "Units Per Assy" column of the Group Assembly Parts List are, in the case of assemblies, the total quantity used per signal generator at the location indicated, while the component parts indented under the assemblies are the quantity used per assembly. The quantities specified, therefore, are not necessarily the total used per signal generator.

b. Part numbers are used exclusively to identify parts.

1-4. VENDOR'S CODE.

1-5. Parts procured from vendors are assigned the vendor's part number and the vendor is indicated in the Description column by means of the alphabetical code shown below.

VENDOR'S CODE

CODE	NAME AND ADDRESS
AUPM	AUTOMATIC AND PRECISION MANUFACTURING COMPANY 254 Hawthorne Avenue Yonkers, New York
BUS	BUSSMANN 2538 W. University Street St. Louis, Missouri
CGW	CORNING GLASS WORKS 1946 Crystal Street Corning, New York
CIN	CINCH MANUFACTURING CORPORATION 1026 S. Homan Avenue Chicago, Illinois

VENDOR'S CODE

CODE	NAME AND ADDRESS
CPH	CHICAGO TELEPHONE SUPPLY CO. 1142-1232 W. Beardsley Avenue Elkhart, Indiana
DIGR	DIMCO-GRAY COMPANY 211 East 6th Street Dayton, Ohio
DMC	DRAKE MANUFACTURING CO. 1709 W. Hubbard Street Chicago, Illinois
ELCL	ELCO COMPANY Second and Glenwood Avenue Philadelphia, Pennsylvania
EN	ELASTIC STOP NUT CORPORATION OF AMERICA 2330 Vauxhall Road Union, New Jersey
ERC	ERIE RESISTOR CORPORATION 644 W. 12th Street Erie, Pennsylvania
ETR	ELECTRO MANUFACTURING COMPANY 4051 Broadway Kansas City, Missouri
FAF	FAFNIR BEARING COMPANY 39 Booth Street New Britain, Connecticut
GBR	GLOBAR DIV. OF CARBORUNDUM CO. 44 S. Portage Road Niagra Falls, New York
GCM	GENERAL CERAMICS AND STEATITE CORPORATION 23 Crows Mill Road Keasby, New Jersey
GE	GENERAL ELECTRIC COMPANY Schenectady, New York
GMC	GRIMES MANUFACTURING COMPANY 600 N. Russell Urbana, Ohio
GP	GARLOCK PACKING COMPANY 250 Main Street Palmyra, New York

VENDOR'S CODE

CODE	NAME AND ADDRESS
GRAY	GRAYHILL COMPANY 531 Hillgrove Avenue La Grange, Illinois
HUG	HUGHES AIRCRAFT Florence Avenue and Teale Culver City, California
ITRC	INTERNATIONAL RECTIFIER 1523 E. Grand Avenue El Segundo, California
KK	KURZ-KASCH 1417 S. Broadway Dayton, Ohio
LECR	LEECRAFT MANUFACTURING COMPANY, INC. 58 Greene Street New York, New York
LTF	LITTELFUSE 1865 Miner Street Des Plaines, Illinois
METC	METAL TEXTILE 645 East First Avenue Roselle, New Jersey
MMME	M & M METAL MANUFACTURING COMPANY Averne, New York
PA	PARKER APPLIANCE COMPANY 17325 Euclid Avenue Cleveland, Ohio
RRB	ROCHESTER ROPES, INC. Jamaica, New York
SH	SHAKEPROOF, INC. DIV. OF ILLINOIS TOOL WORKS 2503 N. Keeler Avenue Chicago, Illinois
SLE	SYLVANIA ELECTRIC PROD, INC. 1740 Broadway New York, New York
SMO	SANGAMO ELECTRIC Converse and Clarence Springfield, Illinois
SPR	SPRAGUE ELECTRIC COMPANY 149 Marshall Street North Adams, Massachusetts

VENDOR'S CODE

CODE	NAME AND ADDRESS
STL	STACKPOLE CARBON COMPANY 1942 Tannery Street St. Marys, Pennsylvania
	TUB-LOK COMPANY Palo Alto, California
WAL	WARD LEONARD ELECTRIC COMPANY 45 South Street Mt. Vernon, New York
WECK	WECKESSER 5261-63 N. Avondale Avenue Chicago, Illinois
WKI	WALDES KOHINOOR, INC. Austil Place Long Island City, New York
WOPA	WORCHESTER PRESSED ALUMINUM CO. 17 Hope Avenue Worchester, Massachusetts

1-6. HOW TO FIND THE PART NUMBER IF THE SECTION OR SYSTEM OF THE EQUIPMENT IN WHICH THE PARTS IS USED IS KNOWN:

a. Turn to the Table of Contents and find the page number for the major assembly or system in which the part is used.

b. Turn to the page determined in step a.

c. Locate the part and its index number on the illustration.

d. Find the index number on the Group Assembly Parts List page to determine complete description.

SECTION II

GROUP ASSEMBLY PARTS LIST

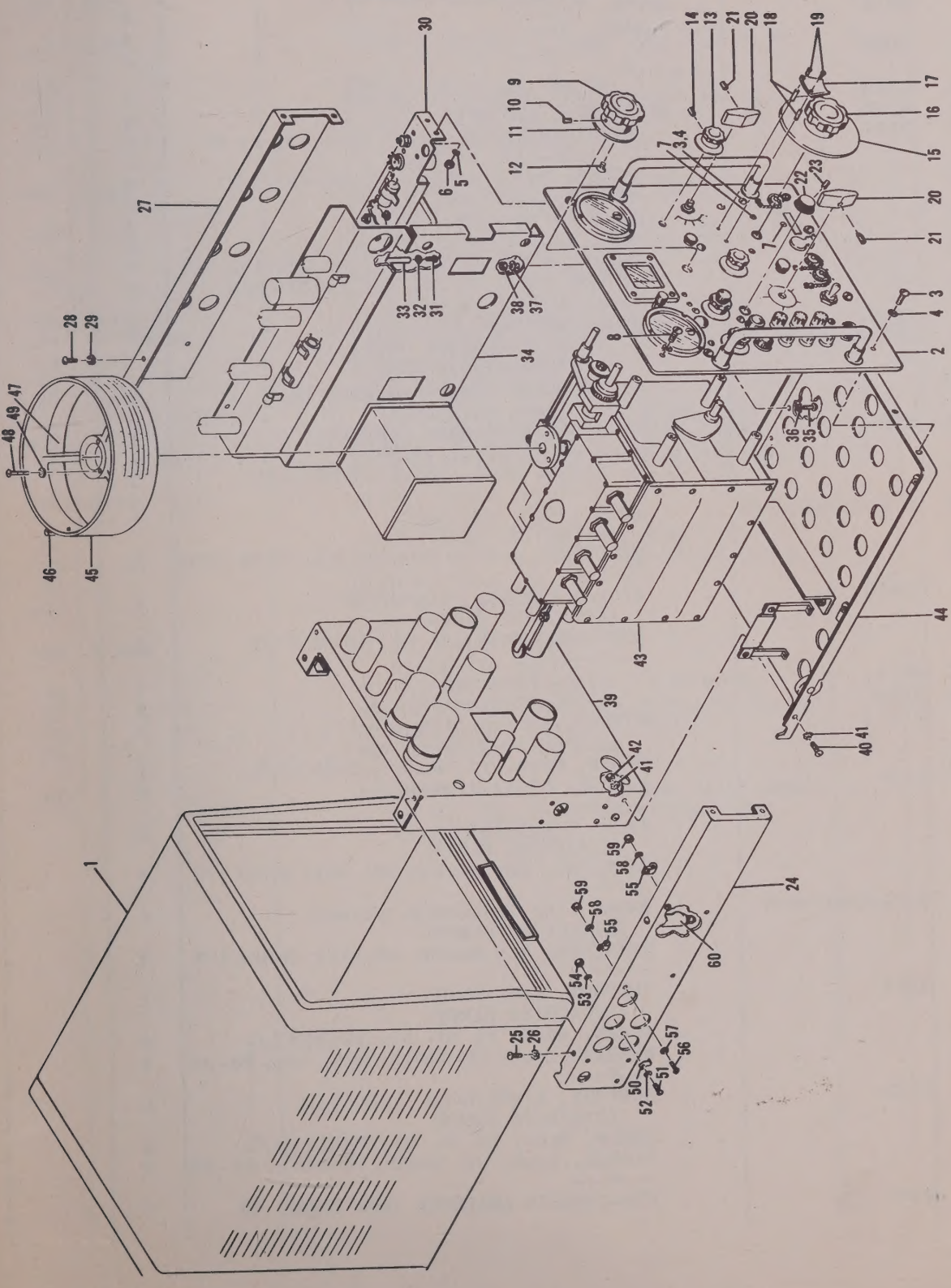


Figure 3. Signal Generator TS-510A/U

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
3-	2190	SIGNAL GENERATOR TS-510A/U	Ref	
	2191	. CABINET ASSEMBLY, Electrical equipment	1	
		(ATTACHING PARTS)		
	2313	. SCREW, Captive	4	
		. WASHER, Flat	4	
	2089	. PIN, Cotter	4	
		---*---		
-1	2199	. . CABINET ASSEMBLY, Welded	1	
	2192	. INSTRUMENT ASSEMBLY	1	
-2	2194	. . PANEL ASSEMBLY, Front (See figure 4)	1	
		(ATTACHING PARTS)		
-3		. . SCREW, Mach, rdhhd, br, 10-32 x 1/2	8	
-4		. . WASHER, Lock, No. 10	8	
-5		. . WASHER, Lock, No. 10	4	
-6		. . NUT, Hex, brass, 8/32	2	
-7		. . SCREW, Mach, fl hd, br, 10-24 x 1/2	3	
-8		. . SCREW, Mach, rd hd, br, 10-32 x 5/8	1	
		---*---		
	2049	. . DIAL ASSEMBLY	1	
-9	SCH-309-70-BB-EE -X	. . . KNOB, Frequency (KK)		
		(ATTACHING PARTS)		
-10		. . . SETSCREW (Supplied with Knob)	2	
		---*---		
-11	2317	. . . DIAL, Frequency, vernier	1	
		(ATTACHING PARTS)		
-12		. . . SCREW, Mach, bd hd, 6-32 x 1/4	3	
		---*---		
-13	S380-70-DD-L-BB	. . KNOB, (KK)	1	
		(ATTACHING PARTS)		
-14		. . SETSCREW, Hex, socket hd, stl, 10-32 x 3/16	2	
		---*---		
	2347	. . DIAL ASSEMBLY, Attenuator	1	
		(ATTACHING PARTS)		
		. . SETSCREW, Mach, rd hd, 10-32 x 1/2	2	
		---*---		
-15	2315	. . . DIAL, Attenuator	1	
-16	2150	. . . KNOB, Attenuator	1	
-17	2129	. . WINDOW, Attenuation, dial	1	
		(ATTACHING PARTS		
-18		. . SCREW, Mach, rd hd, br, 2-56 x 3/8	2	
-19	2177	. . SPACER, Dial, window	2	
		---*---		
-20		. . KNOB, Bar (DIGR)	2	
		(ATTACHING PARTS)		
-21		. . SETSCREW, Hex socket hd, stl, 8-32 x 1/8	4	
		---*---		
-22	S-76-18-A-H-0L	. . KNOB, Fine frequency, adjust	1	
		(ATTACHING PARTS)		
-23		. . SETSCREW, Hex socket hd, stl, 8-32x 1/4	2	
		---*---		
-24	2234	. . SUPPORT, Left-hand	1	
		(ATTACHING PARTS)		
-25		. . SCREW, Mach, rd hd, br, 10-24 x 1/2	4	
-26		. . WASHER, Lock, int tooth, phos brz, No. 10	4	
		---*---		
-27	2233	. . SUPPORT, Right-hand	1	
		(ATTACHING PARTS)		
-28		. . SCREW, Mach, rd hd, br, 10-24 x 1/2	4	
-29		. . WASHER, Lock, int tooth, phos brz, No. 10	4	
		---*---		
-30	2218	. . SUB-CHASSIS ASSEMBLY (See figure 5)	1	

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
		(ATTACHING PARTS)		
3-31		. . SCREW, Mach, rd hd, br, 6/32 x 3/8	2	
-32		. . WASHER, Lock, int tooth, No. 6	1	
-33	2321	. . SUPPORT, Sub-chassis	2	
		---*---		
-34	2196	. . CHASSIS ASSEMBLY, Side (See figure 6)	1	
		(ATTACHING PARTS)		
-35		. . SCREW, Mach, rd hd, br, 8-32 x 1/2	4	
-36		. . WASHER, Lock, int tooth, phos brz, No. 8	4	
-37		. . WASHER, Lock, int tooth, phos brz, No. 8	4	
-38		. . NUT, Hex, brass, No. 8-32	4	
		---*---		
-39	2195	. . DECK ASSEMBLY, Rear (See figure 11)	1	
		(ATTACHING PARTS)		
-40		. . SCREW, Mach, rd hd, br, No. 10-32 x 1/2	7	
-41		. . WASHER, Lock, ext tooth, phos brz, No. 10	14	
-42		. . NUT, Hex, brass, No. 10-32	7	
		---*---		
-43	2193	. . GENERATOR ASSEMBLY (See figure 16)	1	
-44	No Number	. . PLATE ASSEMBLY, bottom (See figure 25)	1	
-45	2175	. . BAND, Dial	1	
-46	2443	. . CLAMP, Dial	1	
-47	2237	. . DRUM, Dial	1	
		(ATTACHING PARTS) for Drum, Dial		
-48		. . SCREW, Mach, rd hd, br, 8-32 x 3/4	3	
-49		. . WASHER, Lock, int tooth, phos brz, No. 8	3	
		---*---		
-50	1470	. . CLAMP, Cable	1	
		(ATTACHING PARTS)		
-51		. . SCREW, Mach, rd hd, br, 6-32 x 1/2	1	
-52		. . WASHER, Lock int tooth, phos brz, No. 6	1	
-53		. . WASHER, Flat, br, No. 6	1	
-54		. . NUT, Hex, br, No. 6-32	1	
		---*---		
-55	3/8-6	. . CLAMP, Cable (WECK)	4	
		(ATTACHING PARTS)		
-56		. . SCREW, Mach, rd hd, br, 6-32 x 3/8	6	
-57		. . WASHER, Lock, int tooth, phos brz, No. 6	6	
-58		. . WASHER, Lock, flat, br, No. 6	6	
-59		. . NUT, Hex, br, No. 6-32	6	
		---*---		
-60		. . RESISTOR, Fixed, wirewound, 6300 ohms, 10 w, ±5% (supplied w/attaching hardware) (WAL)		

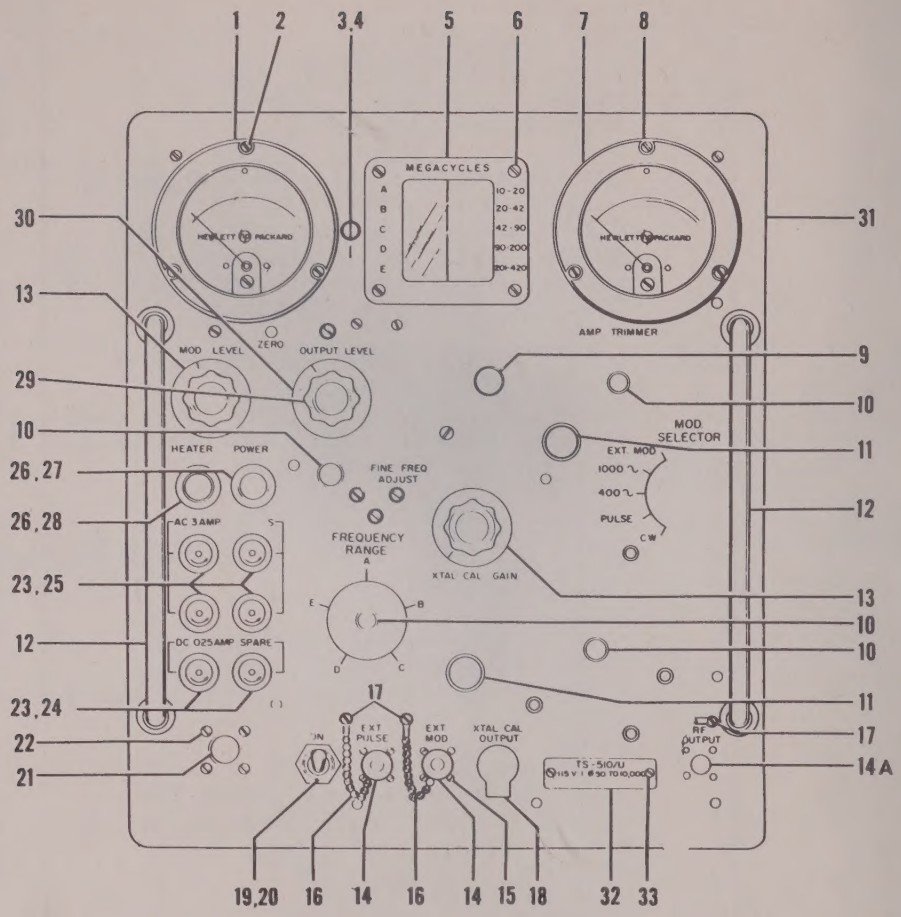


Figure 4. Front Panel Assembly (Sheet 1 of 2)

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
4-	2194	PANEL ASSEMBLY, Front (See figure 3 for next higher assembly)	Ref	
-1	2001	. METER, Modulation, 1 milliampere dc	1	
		(ATTACHING PARTS)		
-2		. SCREW, Mach, rd hd, br, 6-32 x 3/4	3	
		---*---		
-3	2293	. SHAFT, Cursor	1	
		(ATTACHING PARTS)		
-4	2300	. BUSHING, Cursor, adjustable, shaft	1	
	5101-21-C-MO	. RING, Retaining	1	
		---*---		
-5	2480	. BEZEL ASSEMBLY, Window	1	
		(ATTACHING PARTS)		
-6		. SCREW, Mach, fil hd, 6-32 x 1/4	4	
	2294	. SPACER	4	
		. WASHER, flat, br, No. 6	4	
		. WASHER, Lock, int tooth, phos brz, No. 6	4	
		. NUT, Hex, br. No. 6-32	4	
		---*---		

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
4-7	2000	. METER, Output, 50 microampere dc	1	
		(ATTACHING PARTS)		
-8		. SCREW, Mach, rd hd, br, 6-32 x 3/4	3	
		---*---		
-9	2103-2	. SEAL	1	
-10	2103-1	. SEAL	4	
-11	2342	. KNOB	2	
		(ATTACHING PARTS)		
	AN565A1032H3	. SCREW	2	
		---*---		
-12	2345	. HANDLE, Panel	2	
		(ATTACHING PARTS)		
		. SCREW, Mach, rd hd, br, No. 10-32 x 1/2	4	
		. WASHER, Lock, int tooth, phos brz, No. 10	4	
	2428	. WASHER, Handle	4	
		---*---		
-13	S380-70-DD-L-BB	. KNOB, (NE2342) (KK)	2	
-13A	2011	. KNOB	1	

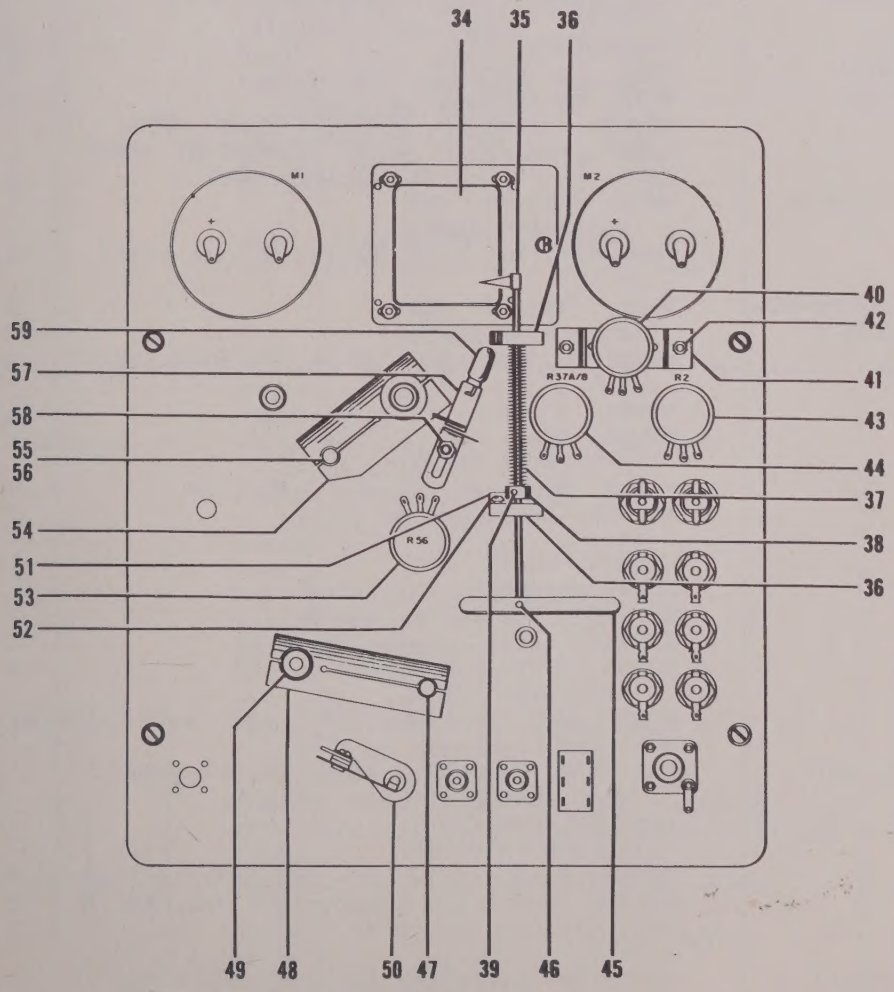


Figure 4. Front Panel Assembly (Sheet 2 of 2)

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
4-		(ATTACHING PARTS)		
-13B	AN565A1032H3	. SETSCREW, Hex socket hd, stl, 10-32 x 1/8	4	
		---*---		
-14	UG-290-U	. CONNECTOR, Receptacle	2	
-14A	UG-556-B/U	. CONNECTOR, Receptacle	1	
-15		. SCREW, Mach, rd hd, br, 3-56 x 3/8	8	
		---*---		
-16	CW-123A/U	. COVER, Electrical connector	2	
		(ATTACHING PARTS)		
-17		. SCREW, Mach, rd hd, br, 4-40 x 3/8	3	
		---*---		
-18	7235-A	. COVER, Telephone, jack (NE 2099) (MMME)	1	
-19	ST22N	. SWITCH, Toggle (JAN-S-23)	1	
-20	1030 HEXSEAL	. SEAL (NE2102) (AUPM)	1	
-21	AN3102A-10SL-3P	. CONNECTOR, Receptacle, power	1	
		(ATTACHING PARTS)		
-22		. SCREW, Mach, flat hd, br, 4-40 x 3/8	4	
		. WASHER, Lock, ext tooth, phos brz, No. 4	5	
		. NUT, Hex, br, 4-40	4	
	2504-04-00	. LUG, Solder, No. 4 (NE2482-1) (SH)	1	
		---*---		
-23	342003	. FUSEHOLDER (LTF)	6	
-24	F02D3R00B	. FUSE, Cartridge	4	
-25	F02GR250A	. FUSE, Cartridge	2	
-26	50MIL	. LIGHT, Indicator, red (NE2005-1) (DMC)	1	
-27	50MIL	. LIGHT, Indicator, white (NE2005-2) (DMC)	1	
-28	47	. LAMP, Incandescent (NE2006) (GE)	2	
-29	S76-18-B-DL-M	. KNOB, (NE2033) (KK)	1	
		(ATTACHING PARTS)		
	COML	. SETSCREW, No. 6-32 (Supplied with knob)	1	
		---*---		
-30	S-380-70-BB-DD-	. KNOB, (NE2011) (KK)	1	
	625-588-L-G	(ATTACHING PARTS)		
	COML	. SETSCREW, No. 10-32 (Supplied with knob)	1	
		---*---		
-31	2225	. PANEL, Front	1	
-32	2158	. NAMEPLATE	1	
		(ATTACHING PARTS)		
-33		. SCREW, Mach, rd hd, br, 4-40 x 1/4	2	
		. WASHER, Lock, No. 4	2	
		---*---		
-34	2295	. CURSOR, Shaft	1	
-35	2312	. SHAFT ASSEMBLY, Indicator	1	
-36	2298	. SUPPORT, Indicator, shaft	2	
-37	2143	. SPRING, Scale, indicator	1	
-38	2296	. COLOR, Indicator, shaft	1	
		(ATTACHING PARTS)		
-39		. SCREW, Set, Hex socket hd, stl, 4-40 x 1/8	1	
		---*---		
-40	CTS-CW10240	. RESISTOR, Variable, comp, 10,000 ohms, ±2w (NE2069) (CPH)		
-41	2123	. BRACKET, Mounting	1	
		(ATTACHING PARTS)		
-42		. SCREW, Mach, rd hd, st stl, 6-32 x 1/2	2	
		. WASHER, Lock, ext tooth, phos brz, No. 6	2	
		. NUT, Hex, br, No. 6-32	2	
		---*---		
-43	CTS-CW10241	. RESISTOR, Variable, comp, 20,000 ohms, ±10%, 2w (NE2088) (CPH)	1	
-44	CTS-CW10242	. RESISTOR, Variable, comp, 50,000 ohms, ±20%, 1/2w	1	
-45	2299	. ARM, Range, indicator	1	

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
4-		(ATTACHING PARTS)		
-46		. SETSCREW, Set hex socket hd, stl, 6-32 x 1/8	1	
		---*---		
-47	2286	. SHAFT, Dial, lock	1	
	2285	. BUSHING, Dial	1	
-48	2288	. CLAMP, Dial, lock, attenuator	1	
-49	71-A-2	. SEAL, Plain (NE2103-1) (GP)	1	
-50	2065	. JACK, Telephone, No. SF-JAX-21, (Modified from SWIN part)	1	
		(ATTACHING PARTS)		
		. WASHER, Lock (Supplied with jack)	1	
	COML	. NUT, Lock, brass and nickel plated, 3/8-32 (Supplied with jack)	1	
		---*---		
-51	2084-8	. CLAMP, Electrical	1	
		(ATTACHING PARTS)		
-52		. SCREW, Mach, rd hd, br, 8-32 x 5/16	1	
		. WASHER, Lock, No. 2	1	
		---*---		
-53	2479	. VARIABLE RESISTOR SWITCH ASSEMBLY	1	
-54	2287	. CLAMP, Dial, lock, frequency	1	
-55	2285	. BUSHING, Dial, lock	1	
-56	2286	. SHAFT, Dial, lock	1	
-57	706	. LAMPHOLDER, (NE2118) (LECR)	1	
		(ATTACHING PARTS)		
-58		. NUT, Hex, br, 6-32	1	
		. WASHER, Lock, ext, No. 6	1	
		. WASHER, Flat, No. 6	1	
		---*---		
-59	47	. LAMP, Incandescent (NE2006) (GE)	1	
5-	2218	SUBCHASSIS ASSEMBLY (See figure 3 for next higher assembly)	Ref	
-1	2223	. SUBCHASSIS	1	
-2	CP04A1EE224M	. CAPACITOR, Fixed, paper, 220,000 uuf, ±20%, 400v	1	
-3	9/16-6	. CLAMP, (NE2084-4) (WECK)	1	
		(ATTACHING PARTS)		
-4		. SCREW, Mach, rd hd, br, 6-32 x 7/8	1	
	2478	. SPACER	1	
		. WASHER, Lock, int, No. 6	1	
		. WASHER, Lock, ext, No. 6	1	
		. WASHER, Flat, No. 6	1	
		. NUT, Hex, br, 6-32	1	
		---*---		
-5	CTS-CW10236	. RESISTOR, Variable, comp, 1500 ohms, ±10%, 2w (NE2073) (CPH)	1	
		(ATTACHING PARTS)		
-6		. WASHER, Lock (Supplied with resistor)	1	
	COML	. NUT, Lock, 3/8-32 (Supplied with resistor)	1	
		---*---		
-7	BR377PHSPTD	. SOCKET, Electron tube (NE2066) (ELCL)	3	
		(ATTACHING PARTS		
-8		. SCREW, Mach, rd hd, br, 4-40 x 3/8	6	
		. WASHER, Lock, int, No. 4	6	
		. WASHER, Lock, ext, No. 4	6	
		. NUT, Hex, br, 4-40	6	
		---*---		

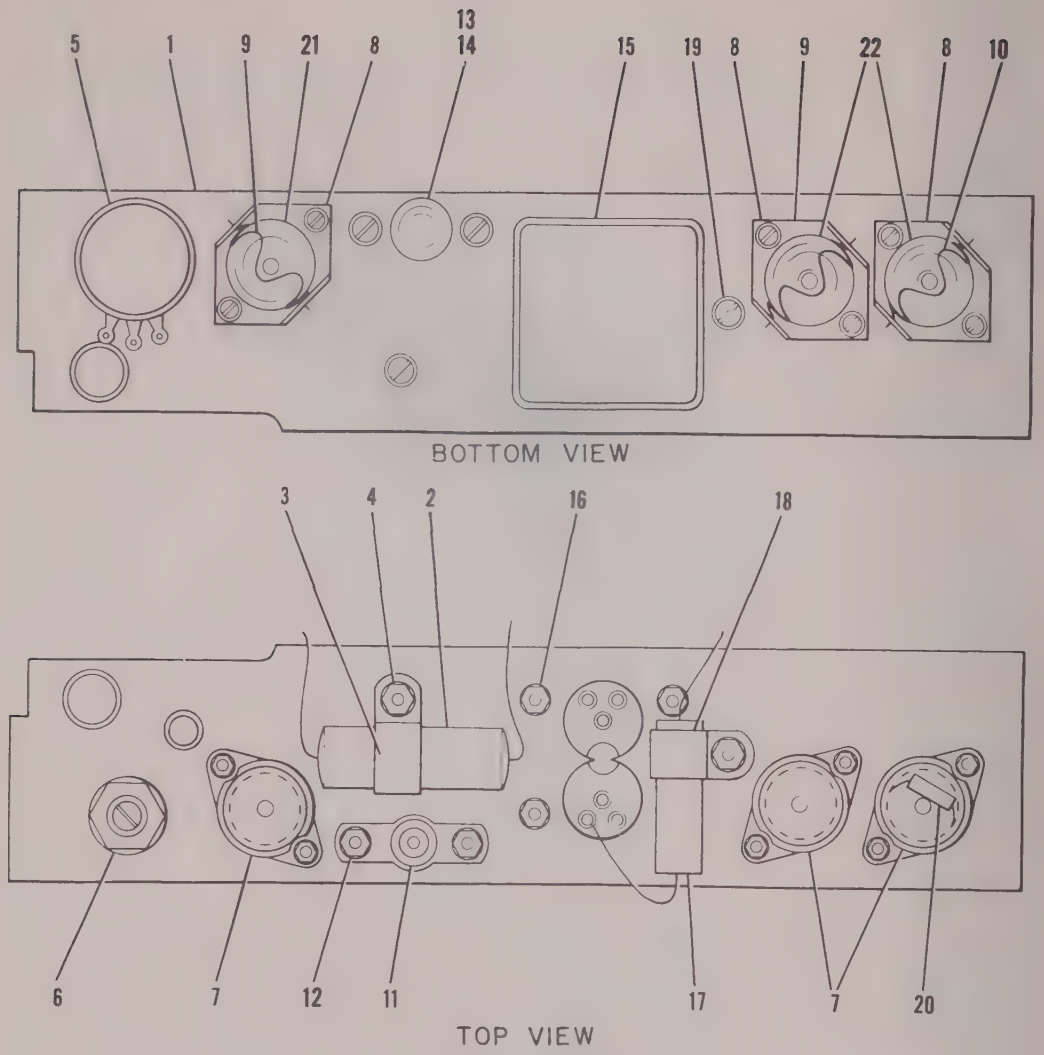


Figure 5. Subchassis Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
5-9	102B	. BASE, Tube, clamp (NE2020) (Tub-Lok)	3	
-10	101W	. CLAMP, Electron tube (NE2041-1) (Tub-Lok)	3	
-11	169B	. LAMPHOLDER, (NE2070) (DMC)	1	
		(ATTACHING PARTS)		
-12		. SCREW, Mach, rd hd, br, 6-32, 3/8	2	
		. WASHER, Lock, ext, No. 6	2	
		. WASHER, Lock, int, No. 6	2	
		. NUT, Hex, br, 6-32	2	
		---*---		
-14	3S6/5	. LAMP, Incandescent	1	
-15	2032	. TRANSFORMER, Phone, output	1	
		(ATTACHING PARTS)		
-16		. WASHER, Lock, ext, No. 6	4	
		. NUT, Hex, br, 6-32	4	
		---*---		

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
5-17	CP05A1EE104M	. CAPACITOR, Fixed, paper, dielectric, 100,000 uuf, ±20%, 400v	1	
-18	7/16-6	. CLAMP, Electrical (NE2084-3) (WECK)	1	
		(ATTACHING PARTS)		
-19		. SCREW, Mach, rd hd, br, 6-32 x 1/2	1	
		. WASHER, Lock, int, No. 6	1	
		. WASHER, Lock, ext, No. 6	1	
		. WASHER, Flat, No. 6	1	
		. NUT, Hex, br, 6-32	1	
		---*---		
-20	RC20GF104K	. RESISTOR, Fixed, comp, 100,000 ohms, ±10%, 1/2w	1	
-21	12AU7	. TUBE, Electron	1	
-22	12AT7WA	. TUBE, Electron	2	
		———		
6-	2196	CHASSIS ASSEMBLY, Side (See figure 3 for next higher assembly)	Ref	
-1	2205	. CHASSIS, Side, lower	1	
		(ATTACHING PARTS)		
-2		. SCREW, Mach, rd hd, st stl, 8-32 x 1/2	4	
		. WASHER, Lock, int, No. 8	4	
		. WASHER, Lock, ext, No. 8	4	
		. NUT, Hex, br, 8-32	4	
		---*---		
-3	2204	. CHASSIS, Side, upper	1	
-4	2003	. WRENCH, Tube	1	
-5	2005	. CLIP, Electrical (NE2051) (WOPA)	2	
-6	1/4-6	. CLAMP, Electrical (NE2084-1) (WECK)	2	
		(ATTACHING PARTS)		
-7		. SCREW, Mach, rd hd, br, 6-32 x 3/8	2	
		---*---		
-8	JAN5670	. TUBE, Electron	1	
-9	6CL6	. TUBE, Electron (RCA)	3	
-10	CE42F100R	. CAPACITOR, Fixed, paper, 100,000 ohms, ±20%, 400v	1	
-11	102B	. BASE, Tube, clamp	4	
		(ATTACHING PARTS)		
-12		. SCREW, Mach, rd hd, br, 4-40 x 3/8	8	
		. WASHER, Lock, int, No. 4	8	
		. WASHER, Lock, ext, No. 4	8	
		. NUT, Hex, br, 4-40	8	
		---*---		
-13	101W	. CLAMP, Electron (NE2041-1) (Tub-Lok)	1	
-14	103W	. CLAMP, Electron (NE2041-2) (Tub-Lok)	3	
-15	BR377PHSPTD	. SOCKET, Tube (NE2066) (ELCL)	3	
		(ATTACHING PARTS)		
		. SCREW, Mach, rd hd, br, 4-40 x 3/8	6	
		. WASHER, Lock, int, No. 4	6	
		. WASHER, Lock, ext, No. 4	6	
		. NUT, Hex, br, 4-40	6	
		---*---		
-16	2262	. BOARD ASSEMBLY, Capacitor and resistor (See figure 7)	1	
		(ATTACHING PARTS)		
-17		. SCREW, Mach, rd hd, br, 6-32 x 3/4	4	
		. WASHER, Lock, int, No. 6	8	
		. WASHER, Lock, spring phos brz, No. 6	8	
		. WASHER, Flat, phos brz, No. 6	8	

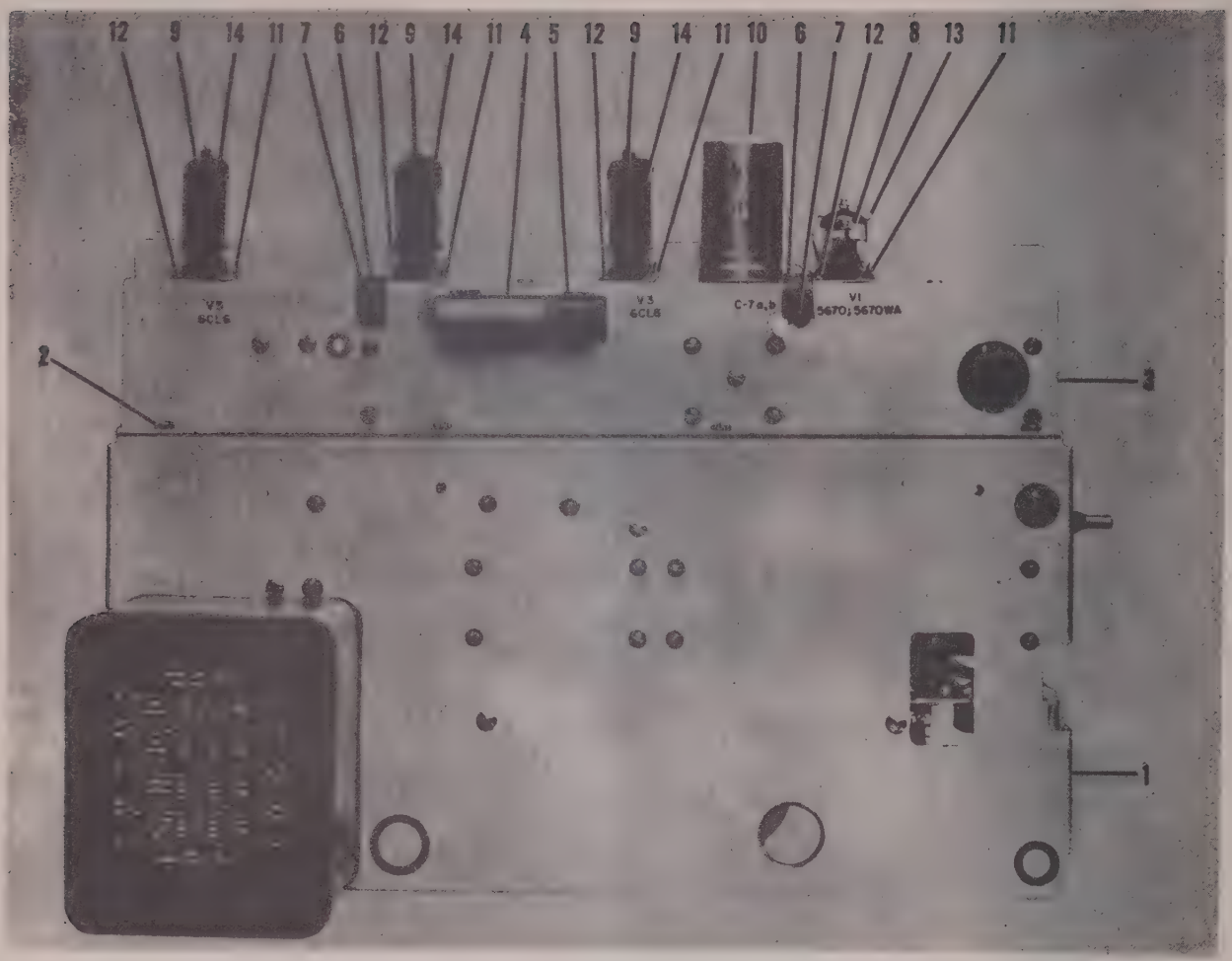


Figure 6. Side Chassis Assembly (Sheet 1 of 2)

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
6-		. NUT, Hex br, 6-32	4	
		---*---		
-18	2263	. BOARD ASSEMBLY, Capacitor and resistor (See figure 8) (ATTACHING PARTS)	1	
-19		. SCREW, Mach rd hd, br, 6-32 x 3/4	4	
		. WASHER, Lock, int, No. 6	8	
		. WASHER, Lock, spring, No. 6	8	
		. WASHER, Flat, No. 6	8	
		. NUT, Hex br, 6-32	4	
		---*---		
-20	2264	. BOARD ASSEMBLY, Capacitor and resistor (See figure 9) (ATTACHING PARTS)	1	
-21		. SCREW, Mach rd hd, br, 6-32 x 3/4	4	
		. WASHER, Lock, int, No. 6	8	
		. WASHER, Lock, spring, No. 6	8	

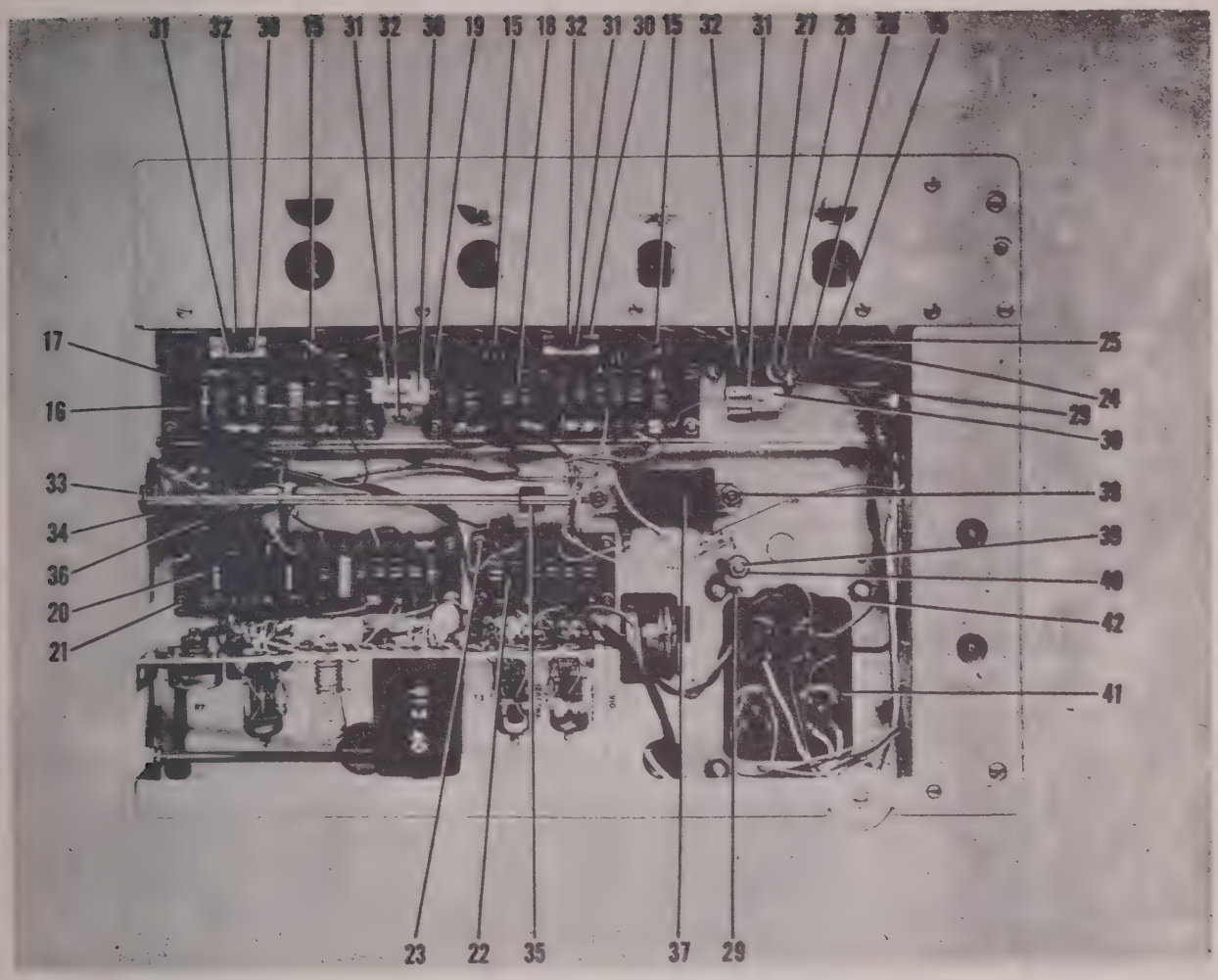


Figure 6. Side Chassis Assembly (Sheet 2 of 2)

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
6-		. WASHER, Flat, No. 6	8	
		. NUT, Hex br, 6-32	4	
		---*---		
-22	2265	. BOARD ASSEMBLY, Capacitor and resistor (See figure 10) (ATTACHING PARTS)	1	
-23		. SCREW, Mach rd hd, br, 6-32 x 3/4	4	
		. WASHER, Lock, int, No. 6	8	
		. WASHER, Lock, spring, No. 6	8	
		. WASHER, Flat, No. 6	8	
		. NUT, Hex br, 6-32	4	
		---*---		
-24	CM20B101K	. CAPACITOR, Fixed, mica, 100 uuf, ±10%, 500 v	1	
-25	RC20GF181K	. RESISTOR, Fixed, comp, 180 ohms, ±10%, 1/2 w	1	
-26	RC20GF560K	. RESISTOR, Fixed, comp, 56 ohms, ±10%, 1/2 w	5	
-27	2017	. INSULATOR, Standoff	1	

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
6-		(ATTACHING PARTS)		
-28		. SCREW, Mach rd hd, br, 6-32 x 1/4	1	
		. WASHER, Lock, int, No. 6	1	
	2486-2	. WASHER, Flat fibre, No. 6	2	
		---*---		
-29	2504-06-00	. LUG, Solder, No. 6 (SH)	2	
-30	CP05A1EE104M	. CAPACITOR, Fixed	4	
-31	7/16-6	. CLAMP, Electrical (WECK)	4	
		(ATTACHING PARTS)		
-32		. SCREW, Mach rd hd, br, 6-32 x 3/8	4	
		. WASHER, Lock, int, No. 6	4	
		. WASHER, Flat, No. 6	4	
		. WASHER, Lock, ext brz, No. 6	4	
		. NUT, Hex, br, 6-32	4	
		---*---		
	2120	. BRACKET, Deck	1	
-33	2184	. SWITCH, Rotary	1	
		(ATTACHING PARTS)		
-34		. WASHER, Lock, int, No. 8	1	
-35		. SCREW, Mach rd hd, br, 8-32 x 1/2	1	
		. NUT, Hex, br, 8-32	1	
		. WASHER, Lock, int, 3/8	1	
		---*---		
-36	RC32BF563K	. RESISTOR, Fixed, comp, 56,000 ohms, ±10%,1w	1	
-37	RW21G153	. RESISTOR, Fixed, wirewound, 15,000 ohms	1	
		(ATTACHING PARTS)		
-38		. SCREW, Mach rd hd, 6-32 x 3/4	2	
		. WASHER, Lock, ext, No. 6	2	
		. WASHER, Lock, int, No. 6	2	
	2478-1	. SPACER	2	
		. NUT, Hex, br, 6-32	2	
		. WASHER, Flat, No. 6	2	
		---*---		
-39	RW32G752	. RESISTOR, Fixed, wirewound, 7500 ohms	1	
		(ATTACHING PARTS)		
-40		. SCREW, Mach rd hd, br, 8-32 x 2-1/2	1	
	2487	. WASHER, Extruded, No. 8	2	
		. WASHER, Lock, int, No. 8	1	
		. WASHER, Lock, ext, No. 8	1	
		. WASHER, Flat, No. 8	1	
	2481-6	. NUT, Hex, br, 8-32	1	
		---*---		
-41	2495	. TRANSFORMER, Hermetically sealed	1	
		(ATTACHING PARTS)		
-42		. WASHER, Lock, ext, 1/4	4	
		. NUT, Hex, br, 1/4-20	4	
		---*---		

7-	2262	BOARD ASSEMBLY, Capacitor and resistor (See figure 6 for next higher assembly)	Ref	
-1	RC32GF105K	. RESISTOR, Fixed, comp, 1.0 megohm, ±10%, 1 w	1	
-2	CK63Y103Z	. CAPACITOR, Fixed, ceramic, 10,000 uuf, +100% -20%	1	
-3	RC32GF103K	. RESISTOR, Fixed, comp, 10,000 ohms, ±10%,1w	1	
-4	RC32GF474K	. RESISTOR, Fixed,comp,470,000 ohms,±10%,1 w	1	
-5	RC42GF222K	. RESISTOR, Fixed, comp, 2200 ohms, ±10%, 2 w	1	
-6	RC42GF183K	. RESISTOR, Fixed, comp, 18,000 ohms, ±10%,2w	1	
-7	RC42GF822K	. RESISTOR, Fixed, comp, 8200 ohms, ±10%. 2 w	2	
-8	RC32F124K	. RESISTOR, Fixed,comp,120,000 ohms,±10%,1 w	1	
-9	2127	. BOARD, Terminal	1	

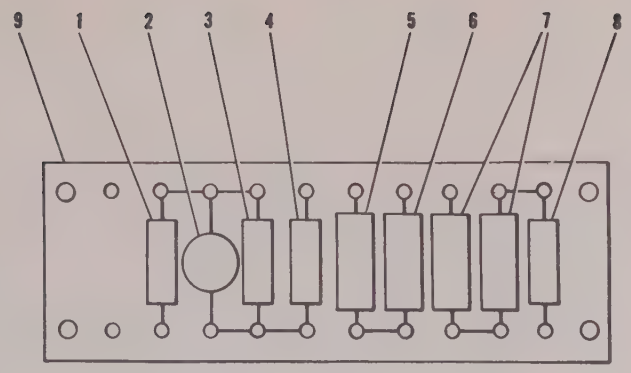


Figure 7. Board Assembly, Capacitor and Resistor

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON ASSY
8-	2263	BOARD ASSEMBLY, Capacitor and resistor (See figure 6 for next higher assembly)	Ref	
-1	RC32GF474K	. RESISTOR, Fixed, comp, 470,000 ohms, ±10%, 1 w	3	
-2	RC32GF331K	. RESISTOR, Fixed, comp, 330 ohms, ±10%, 1 w	1	
-3	CM20D391J	. CAPACITOR, Fixed, mica, 390 uuf, ±5%, 500 v	1	
-4	RC42GF223K	. RESISTOR, Fixed, comp, 22,000 ohms, ±10%, 2 w	1	
-5	RC32GF184K	. RESISTOR, Fixed, comp, 180,000 ohms, ±10%, 1 w	1	
-6	RS-5	. RESISTOR, Fixed, wirewound, 5000 ohms, ±1%, 5 w	1	
-7	RC32GF564K	. RESISTOR, Fixed, comp, 560,000 ohms, ±10%, 1 w	1	
-8	RC32GF393K	. RESISTOR, Fixed, comp, 39,000 ohms, ±10%, 1 w	1	
-9	RC32GF181K	. RESISTOR, Fixed, comp, 180 ohms, ±10%, 1 w	1	
-10	2448	. BOARD, Terminal	1	

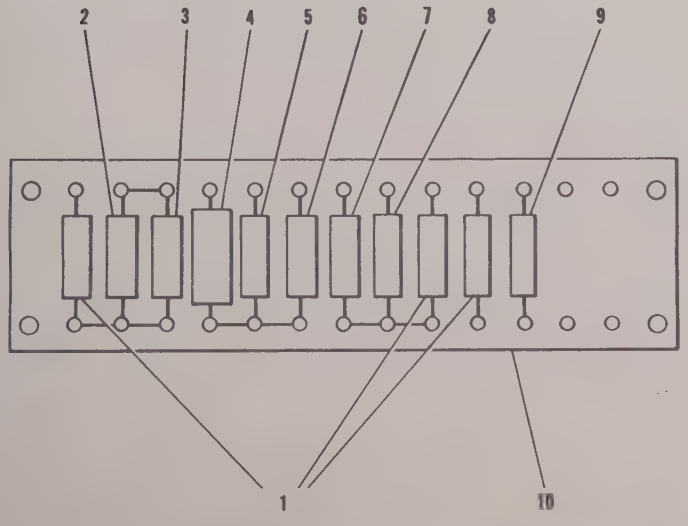


Figure 8. Board Assembly, Capacitor and Resistor

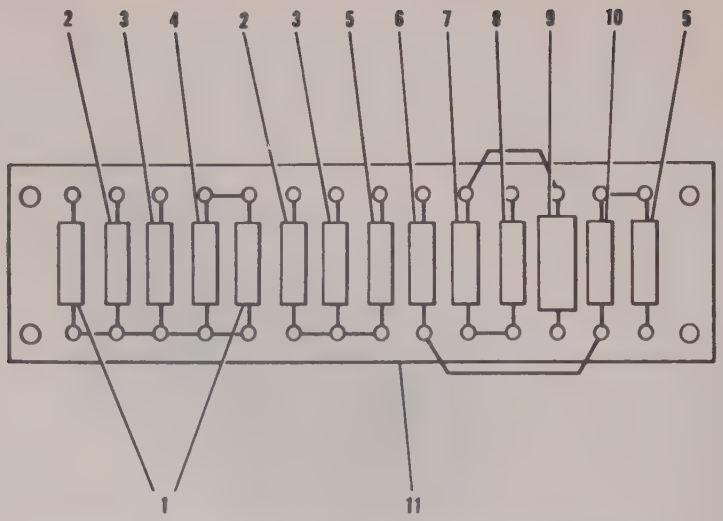


Figure 9. Board Assembly, Capacitor and Resistor

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
9-	2264	BOARD ASSEMBLY, Capacitor and resistor (See figure 6 for next higher assembly)	Ref	
-1	CM35E562G	. CAPACITOR, Fixed, mica, 5600 uuf, ±2%, 500 v	2	
-2	RN15X2842F	. RESISTOR, Fixed, film, 28,400 ohms	2	
-3	RN25X7502F	. RESISTOR, Fixed, film, 75,000	2	
-4	CM20E471J	. CAPACITOR, Fixed, mica, 470 uuf, ±5%, 500 v	1	
-5	RC32GF152K	. RESISTOR, Fixed, comp, 1500 ohms, ±10%, 1 w	2	
-6	CM30B182K	. CAPACITOR, Fixed, mica, 1800 uuf, ±10%, 500 v	1	
-7	RC32GF154K	. RESISTOR, Fixed, comp, 150,000 ohms, ±10%, 1 w	1	
-8	RC32GF104K	. RESISTOR, Fixed, comp, 100,000 ohms, ±10%, 1 w	1	
-9	RC42GF123K	. RESISTOR, Fixed, comp, 12,000 ohms, ±10%, 2 w	1	
-10	RC32GF105K	. RESISTOR, Fixed, comp, 1.0 megohm, ± 10%, 1 w	1	
-11	2128	. BOARD, Terminal	1	

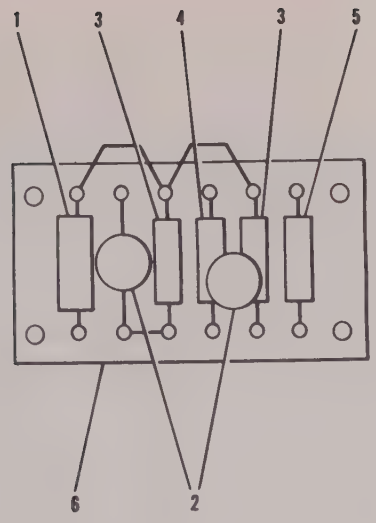


Figure 10. Board Assembly, Capacitor and Resistor

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
10-	2265	BOARD ASSEMBLY, Capacitor and resistor (See figure 6 for next higher assembly)	Ref	
-1	RC42GF273K	. RESISTOR, Fixed, comp, 27,000 ohms, ±10%, 2 w	1	
-2	CK63Y103Z	. CAPACITOR, Fixed, ceramic, 10,000 uuf, +100%-20%, 500 v d-c (ERC)	2	
-3	RC32GF124K	. RESISTOR, Fixed, comp, 120,000 ohms, ±10%, 1 w	2	
-4	RC32GF105K	. RESISTOR, Fixed, comp, 1.0 megohm, ± 10%, 1 w	1	
-5	RC32GF103K	. RESISTOR, Fixed, comp, 10,000 ohms, ±10%, 1 w	1	
-6	2451	. BOARD, Terminal	1	

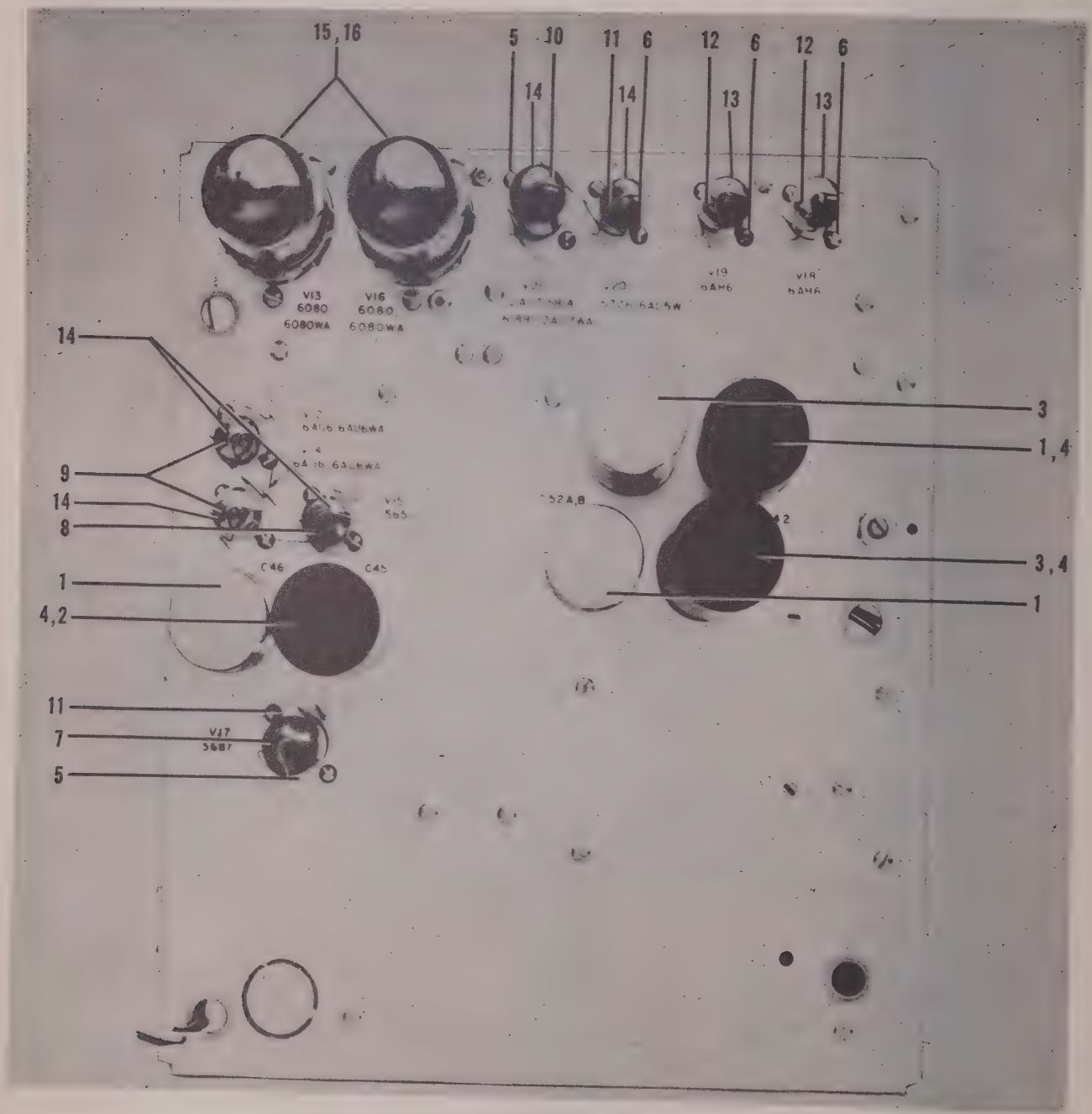


Figure 11. Chassis Assembly, Rear (Sheet 1 of 2)

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
11-	2195	CHASSIS ASSEMBLY, Rear (See figure 3 for next higher assembly)	Ref	
-1	CE41F100R	. CAPACITOR, Fixed, electrolytic, 45 uf, 450 v	3	
-2	CE41F450F	. CAPACITOR, Fixed, electrolytic, 45 uf, 450 v	3	
-3	CE41F800R	. CAPACITOR, Fixed, electrolytic, 80 uf, 450 v	2	
-4	2322	. WASHER, Insulator	3	
-5	102B	. BASE, Tube, clamp	2	
-6	2019	. BASE, Tube, clamp	6	
-7	JAN5687	. TUBE, Electron	1	
-8	JAN5651	. TUBE, Electron	1	
-9	JAN6AU6WA	. TUBE, Electron	2	
-10	JAN12AU7	. TUBE, Electron	1	
-11	JAN5726/6AL5W	. TUBE, Electron	1	
-12	JAN6AH6	. TUBE, Electron	2	
-13	101W	. CLAMP, Electron tube	2	
-14	103W	. CLAMP, Electron tube	6	
-15	JAN6080	. TUBE, Electron	2	
-16	130UC1-21D	. RETAINER, Electron tube	2	
-17	A9B1-BHY	. RECTIFIER, Metallic (NE2067) (ITRC)	1	
		(ATTACHING PARTS)		
-18		. SCREW, Mach, rd hd, br, 6-32 x 3/8	2	
		. WASHER, Lock, ext, phos brz, No. 10	2	
		---*---		
-19	2291	. SUPPORT, Rectifier	2	
-20	B13D1-B6X	. RECTIFIER, Metallic (NE2068) (ITRC)	2	
		(ATTACHING PARTS)		
		. WASHER, Lock, ext, No. 10	4	
		. WASHER, Flat, No. 10	4	
		. NUT, Hex, br, No. 10-32	4	
		---*---		
-21	2290	. BRACKET, Mounting, rectifier	2	
-22	2075	. TRANSFORMER, Filament oscillator	1	
		(ATTACHING PARTS)		
-23		. WASHER, Lock, ext, No. 6	4	
		. NUT, Hex, br, 6-32	4	
		---*---		
-24		BRACKET, Transformer	1	
		(ATTACHING PARTS)		
		. SCREW, Mach, rd hd, br, 6-32 x 3/8	2	
		. WASHER, Lock, ext, No. 6	2	
		. NUT, Hex, br, 6-32	2	
		---*---		
-25	2329	. BRACKET, Attenuator cable guide	1	
-26	2401	. CAPACITOR AND RESISTOR ASSEMBLY (See figure 12)	1	
		(ATTACHING PARTS)		
-27		. SCREW, Mach, rd hd, br, 6-32 x 1	4	
		. WASHER, Lock, int, No. 6	4	
		. WASHER, Lock, spring, No. 6	4	
		. WASHER, Flat, No. 6	4	
		. NUT, Hex, br, 6-32	4	
-28	2478-3	. SPACER, Brass, 1/2 in. lg	4	
		---*---		
-29	BR377PHSPTD	. SOCKET, Electron tube (NE2066) (ELCL)	2	
		(ATTACHING PARTS)		
		. SCREW, Mach, rd hd, br, 6-32 x 3/8	4	
		. WASHER, Lock, int, No. 6	4	
		. WASHER, Lock, ext, No. 6	4	
		. NUT, Hex, br, 6-32	4	
		---*---		
-30	BR316PHSPTD	. SOCKET, Electron tube (ELCL)	6	

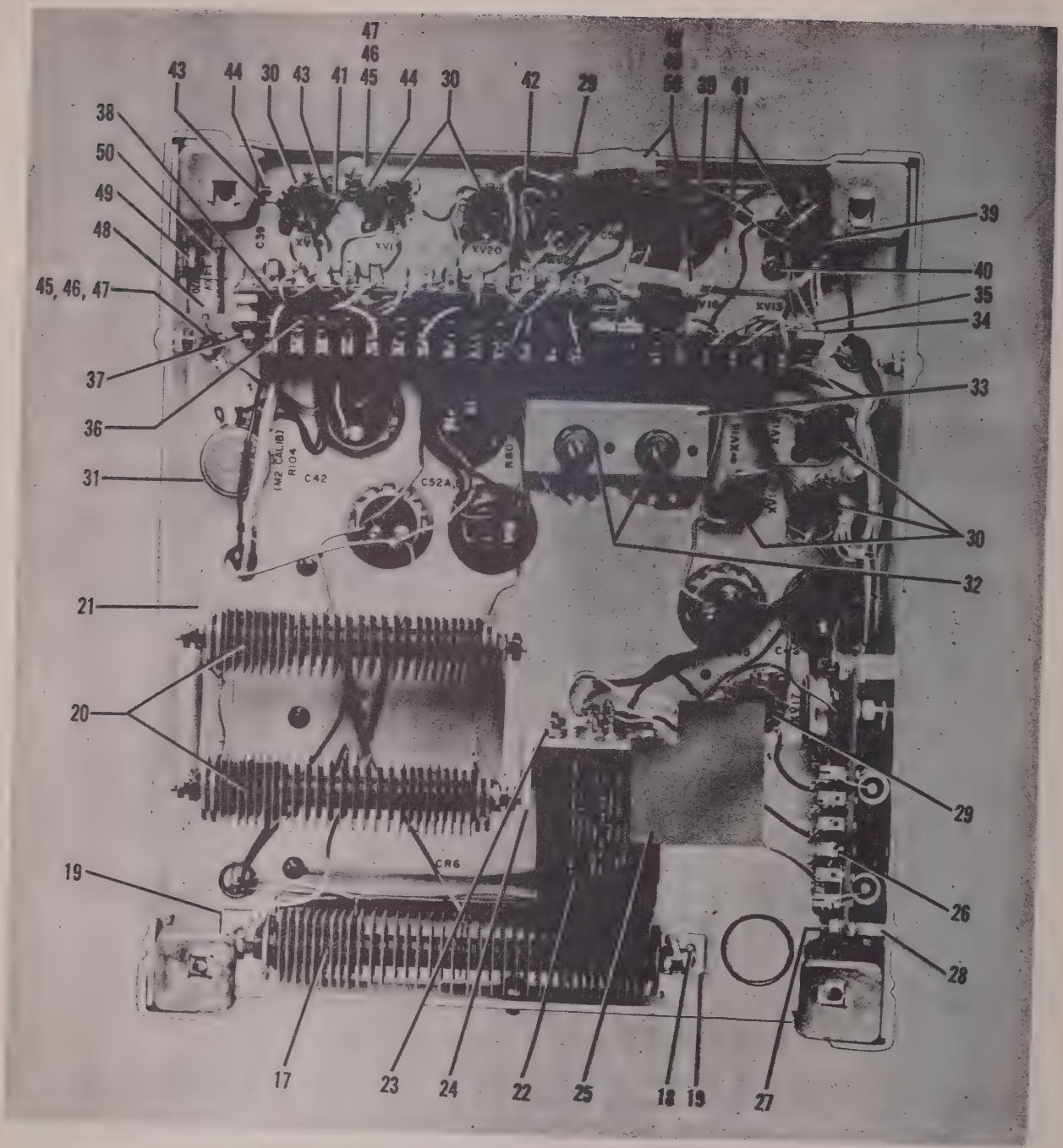


Figure 11. Chassis Assembly, Rear (Sheet 2 of 2)

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
11-		(ATTACHING PARTS)		
		. SCREW, Mach, rd hd, br, 4-40 x 3/8	12	
		. WASHER, Lock, int, No. 4	12	
		. WASHER, ext, No. 4	12	
		. NUT, Hex, br, 4-40	12	
		---*---		
-31	CTS-CW10237 Mod	. RESISTOR, Variable, comp, 5000 ohms, 2 w	1	
		(ATTACHING PARTS		
	COML	. NUT, Jam, 3/8-32, NEF-2A (Supplied with Resistor)	1	
	COML	. NUT, Lock, 3/8-32 (Supplied with Resistor)	1	
		---*---		
-32	CTS-CW10238 Mod	. RESISTOR, Variable, comp, 50,000 ohms, 2 w	2	
		(ATTACHING PARTS)		
	COML	. NUT, Jam, 3/8-32, NEF-2A (Supplied with Resistor)	2	
	COML	. NUT, Lock, 3/8-32 (Supplied with Resistor)	2	
		---*---		
-33	2346	. BRACKET, Mounting	1	
		(ATTACHING PARTS)		
		. SCREW, Mach, rd hd, br, 6-32 x 3/8	2	
		. WASHER, Lock, ext, No. 6	2	
		. WASHER, Lock, int, No. 6	2	
		. NUT, Hex, br, 6-32	2	
		---*---		
-34	2400	. CAPACITOR AND RESISTOR ASSEMBLY (See figure 13)	1	
		(ATTACHING PARTS)		
-35		. SCREW, Mach, rd hd, br, 6-32 x 3/8	2	
		. WASHER, Lock, int, No. 6	2	
		. WASHER, Lock, ext, No. 6	2	
		. NUT, Hex, br, 6-32	2	
		---*---		
-36	2457	. BOARD ASSEMBLY, Capacitor and resistor (See figure 15)	1	
		(ATTACHING PARTS)		
-37		. SCREW, Mach, rd hd, br, 6-32 x 3/8	2	
		. WASHER, Lock, int, No. 6	2	
		. WASHER, Lock, ext, No. 6	2	
		. NUT, Hex, br, 6-32	2	
		---*---		
-38	2456	. BOARD ASSEMBLY, Capacitor and resistor (See figure 14)	1	
-39	TS101P01	. SOCKET, Electron tube	2	
		(ATTACHING PARTS)		
-40		. SCREW, Mach, rd hd, br, 6-32 x 1/2	2	
		. SCREW, Mach, rd hd, br, 6-32 x 3/8	2	
		. WASHER, Lock, ext, No. 6	4	
		. WASHER, Lock, int, No. 6	4	
		. NUT, Hex, br, 6-32	4	
		---*---		
-41	RC32GF102K	. RESISTOR, Fixed, comp, 1000 ohms, ±10%, 1 w	2	
-42	CK63Y103Z	. CAPACITOR, Fixed, ceramic, dielectric, 10,000 ohms, uuf, -20% +100%, 500 v	2	
-43	RC20GF474K	. RESISTOR, Fixed, comp, 470,000 ohms, ±10%, 1/2 w	2	
-44	RC20GF560K	. RESISTOR, Fixed, comp, 56 ohms, ±10%, 1/2 w	2	
-45	2916-06-01	. LUG, Solder, No. 6 (NE2482-4) (SH)	3	
-46	NS5W0108	. INSULATOR, Standoff (GCM)	3	
		(ATTACHING PARTS)		
-47		. SCREW, Mach, rd hd, br, 6-32 x 3/8	6	
		. WASHER, Lock, int, No. 6	6	
		. WASHER, Lock, ext, No. 6	6	
		. WASHER, Flat, No. 6	6	
		---*---		

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
11-48	CP05A1EE104M	. CAPACITOR, Fixed, paper, 100,000 uuf, ±20%, 400 v	3	
-49	7/16-6	. CLAMP, Electrical (NE2084-3) (WECK) (ATTACHING PARTS)	3	
-50	2488	. SPADEBOLT	2	
		. SCREW, Mach, rd hd, br, 6-32 x 1/2	3	
		. WASHER, Lock, int, No. 6	3	
		. WASHER, Lock, ext, No. 6	3	
		. WASHER, Flat, No. 6	3	
		. NUT, Hex, br, 6-32	3	
		---*---		

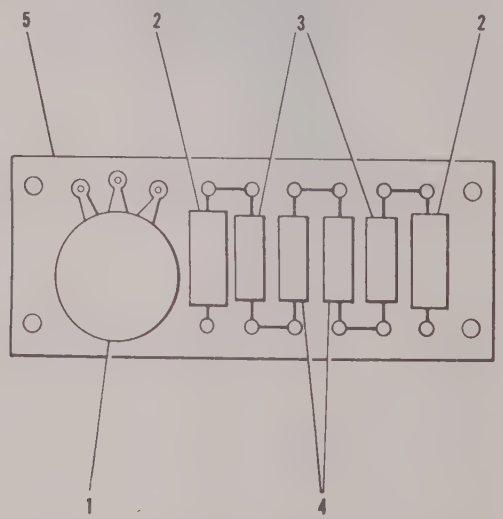


Figure 12. Resistor and Capacitor Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
12-	2401	RESISTOR AND CAPACITOR ASSEMBLY (See figure 11 for next higher assembly)	Ref	
-1	CTS-CW10236	. RESISTOR, Variable, comp, 1500 ohms, ±10%, 2 w (NE2073) (CPH)	1	
-2	CP26A1EF103M	. CAPACITOR, Fixed, paper, 10,000 uuf, ±20%, 600 v	2	
-3	RC32GF683K	. RESISTOR, Fixed, comp, 68,000 ohms, ±10%, 1 w	2	
-4	RC32GF333K	. RESISTOR, Fixed, comp, 33,000 ohms, ± 10%, 1 w	2	
-5	2449	. BOARD, Terminal	1	

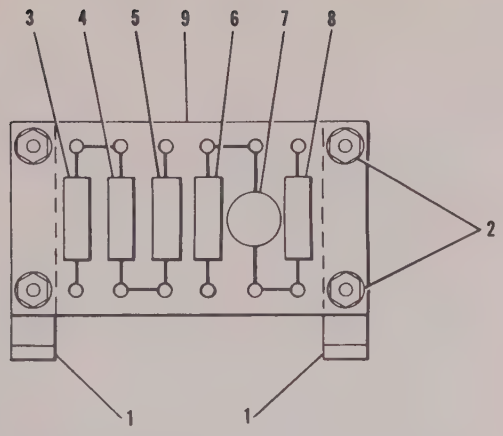


Figure 13. Resistor and Capacitor Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
13-	2400	RESISTOR AND CAPACITOR ASSEMBLY (See figure 11 for next higher assembly)	Ref	
-1	2130	. SUPPORT, Terminal board	2	
		(ATTACHING PARTS)		
-2		. SCREW, Mach, rd hd, br, 6-32 x 1/2	4	
		. WASHER, Lock spring, No. 6	4	
		. WASHER, Flat brass for No. 6	4	
		. WASHER, Lock, No. 6	4	
		. NUT, Hex, br, 6-32	4	
		---*---		
-3	RC32GF123K	. RESISTOR, Fixed, comp, 12,000 ohms, ±10%, 1 w	1	
-4	RC32GF154K	. RESISTOR, Fixed, comp, 150,000 ohms, ±10%, 1 w	1	
-5	RC32GF185K	. RESISTOR, Fixed, comp, 1.8 meg ohms, ±10%, 1 w	1	
-6	RC32GF105K	. RESISTOR, Fixed, comp, 1.0 meg ohms, ±10%, 1 w	1	
-7	CK63Y103Z	. CAPACITOR, Fixed, ceramic, 10,000 uuf, +100% -20%, 500 v (ERC)	1	
-8	RC32GF224K	. RESISTOR, Fixed, comp, 220,000 ohms, ±10%, 1w	1	
-9	2450	. BOARD, Terminal	1	

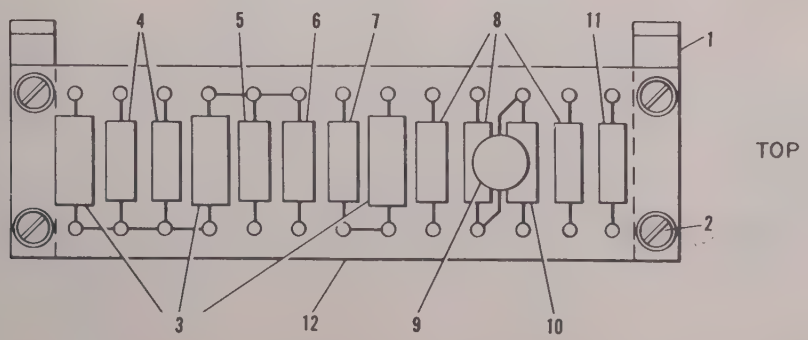


Figure 14. Board Assembly, Capacitor and Resistor

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
14-	2456	BOARD ASSEMBLY, Capacitor and Resistor (See figure 11 for next higher assembly)	Ref	
-1	2130	. SUPPORT, Terminal board	4	
		(ATTACHING PARTS)		
-2		. SCREW, Mach, rd hd, br, 6-32 x 1 in.	4	
	COML	. SPACER, 1/4 in. OD by 1/8 in. lg	4	
		. WASHER, Lock No. 6	4	
		. WASHER, Flat, No. 6	8	
		. WASHER, Lock	4	
		. NUT, Hex, br, 6-32	4	
		---*---		
-3	RC42GF223K	. RESISTOR, Fixed, comp, 22,000 ohms, ±10%, 2 w	3	
-4	RC32GF823K	. RESISTOR, Fixed, comp, 82,000 ohms, ±10%, 1 w	2	
-5	RC32GF182K	. RESISTOR, Fixed, comp, 1800 ohms, ±10%, 1 w	1	
-6	RC32GF106K	. RESISTOR, Fixed, comp, 10 megohms, ±10%, 1 w	1	
-7	RC32GF221K	. RESISTOR, Fixed, comp, 220 ohms, ±10%, 1 w	1	
-8	RC32GF105K	. RESISTOR, Fixed, comp, 1.0 megohm, ± 10%, 1 w	3	
-9	CK63Y103Z	. CAPACITOR, Fixed, ceramic, 10,000 uuf, +100% -20%, 500 v	1	
-10	RC32GF224K	. RESISTOR, Fixed, comp, 220,000 ohms, ±10%, 1 w	1	
-11	RC32GF154K	. RESISTOR, Fixed, comp, 150,000 ohms, ±10%, 1 w	1	
-12	2458	. BOARD, Terminal	1	

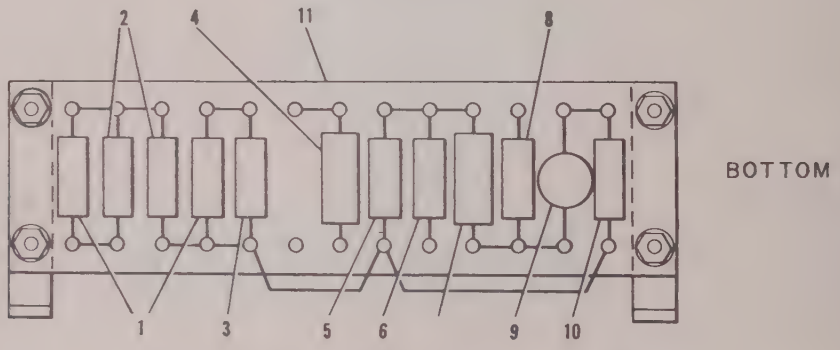


Figure 15. Board Assembly, Capacitor and Resistor

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
15-	2457	BOARD ASSEMBLY, Capacitor and Resistor (See figure 11 for next higher assembly)	Ref	
-1	CM30B182K	. CAPACITOR, Fixed, mica, 1800 uuf, ±10%, 500 v	2	
-2	RC32GF820K	. RESISTOR, Fixed, comp, 82 ohms, ±10%, 1 w	2	
-3	RC32GF151K	. RESISTOR, Fixed, comp, 150 ohms, ±10%, 1 w	1	
-4	RC42GF223K	. RESISTOR, Fixed, comp, 22,000 ohms, ±10%, 2 w	1	
-5	RC32GF273K	. RESISTOR, Fixed, comp, 27,000 ohms, ±10%, 1 w	1	
-6	RC32GF563K	. RESISTOR, Fixed, comp, 56,000 ohms, ±10%, 1 w	1	
-7	RC42GF683K	. RESISTOR, Fixed, comp, 68,000 ohms, ±10%, 2 w	1	
-8	RC32GF224K	. RESISTOR, Fixed, comp, 220,000 ohms, ±10%, 1 w	1	
-9	CK63Y103Z	. CAPACITOR, Fixed, ceramic, 10,000 uuf, +100% -20% (ERC)	1	
-10	RC32GF333K	. RESISTOR, Fixed, comp, 33,000 ohms, ±10%, 1 w	1	
-11	2459	. TERMINAL, Board	1	

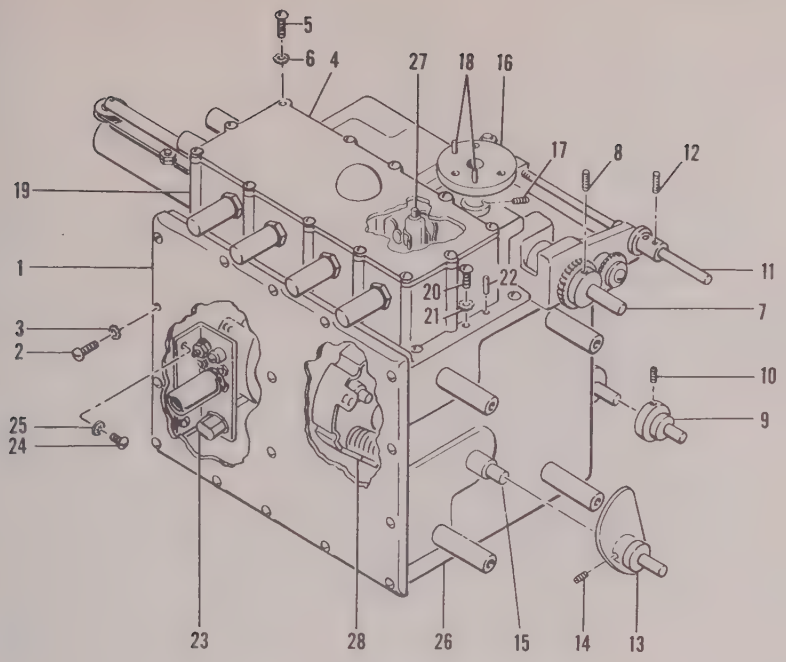


Figure 16. Generator Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
16-	2193	GENERATOR ASSEMBLY (See figure 3 for next higher assembly)	Ref	
-1	2239	. COVER, Housing (ATTACHING PARTS)	1	
-2		. SCREW, Mach, rd hd, br, 6-32 x 1/2	16	
-3		. WASHER, Lock, int, No. 6 ---*---	16	
-4	2361	. COVER, Chassis (ATTACHING PARTS)	1	
-5		. SCREW, Mach, rd hd, br, 6-32 x 1/2	12	
-6		. WASHER, Lock, int, No. 6 ---*---	12	
-7	2378	. SHAFT, Frequency extension (ATTACHING PARTS)	1	
-8		. SETSCREW, Hex, socket hd, stl, 8-32 x 1/8 ---*---	1	
-9	2298	. HUB, Attenuator dial lock (ATTACHING PARTS)	1	
-10		. SETSCREW, Hex, socket hd, stl, 8-32 x 3/16 ---*---	1	
-11	2379	. SHAFT, Amplifier trimmer extension (ATTACHING PARTS)	1	
-12		. SETSCREW, Hex, socket hd, stl, 8-32 x 3/16 ---*---	1	
-13	2071	. CAM, Dial indicator (ATTACHING PARTS)	1	
-14		. SETSCREW, Hex, socket hd, stl, 8-32 x 3/16 ---*---	1	
-15	2395	. SHAFT, Turret drive	1	
-16	2373	. HUB, Drum, dial	1	

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
16-		(ATTACHING PARTS)		
-17		. SETSCREW, Hex, socket hd, stl, 8-32 x 1/4	2	
		---*---		
-18	59-022-094-0375	. PIN, Roll (NE2483-3) (EN)	2	
-19	2197	. CHASSIS ASSEMBLY, Generator (See figure 17)	1	
		(ATTACHING PARTS)		
-20		. SCREW, Mach, rd hd, br, 6-32 x 1/2	11	
-21		. WASHER, Lock, int, No. 6	11	
-22	59-028-125-0500	. PIN, Roll (NE2483-5) (EN)	2	
		---*---		
-23	2247	. CYSTOL CALIBRATOR ASSEMBLY (See figure 23)	1	
		(ATTACHING PARTS)		
-24		. SCREW, Mach, rd hd, br, 6-32 x 1/4	2	
-25		. WASHER, Lock, int, No. 6	2	
		---*---		
-26	2198	. HOUSING ASSEMBLY, Generator (See figure 22)	1	
-27	No Number	. TUBE COMPARTMENT (See figure 18)	1	
-28	No Number	. TUBE COMPARTMENT (See figure 19)	1	

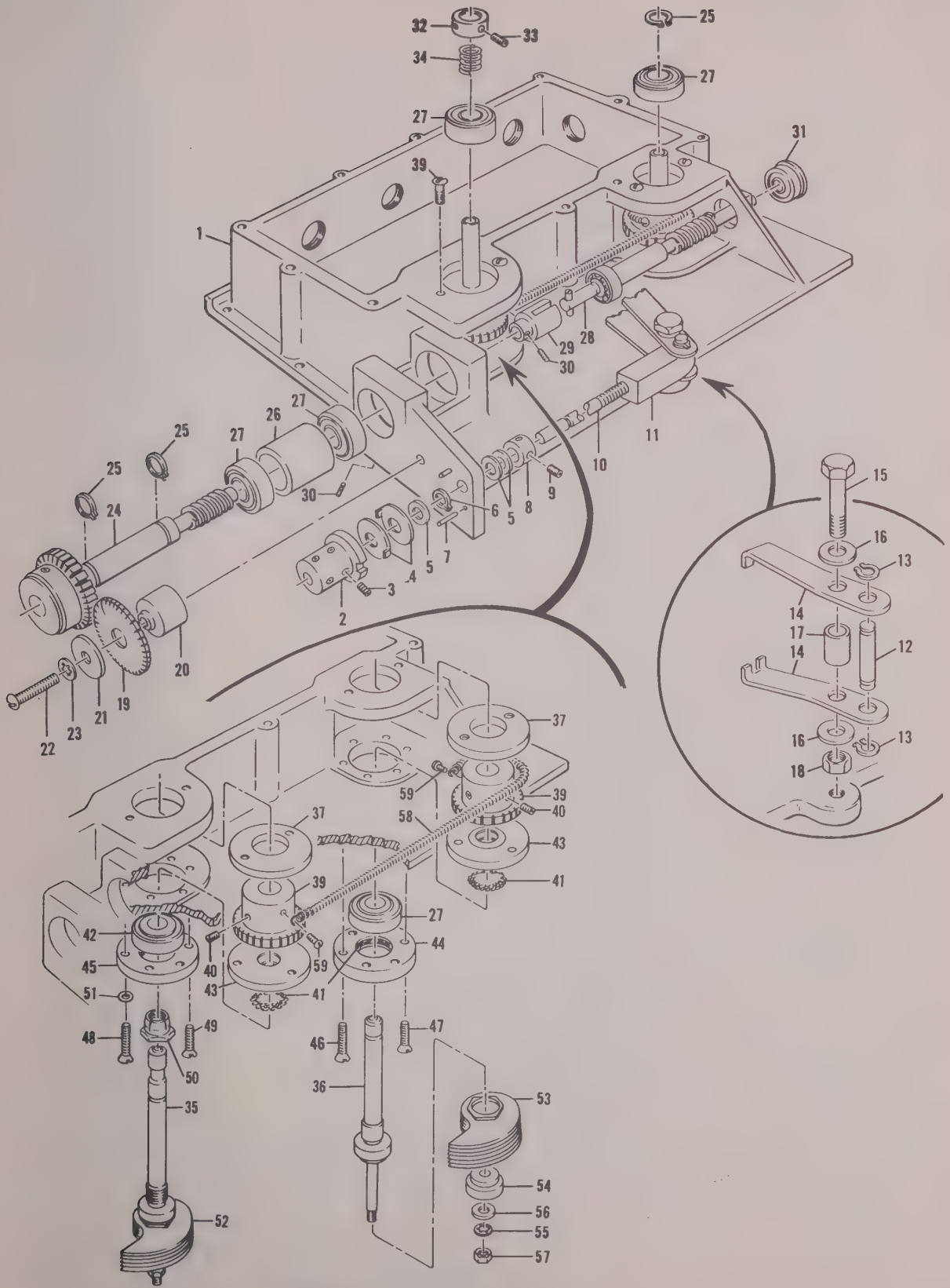


Figure 17. Chassis Assembly, Generator

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
17-	2197	CHASSIS ASSEMBLY, Generator (See figure 16 for next higher assembly)	Ref	
-1	2215	. CHASSIS, Frequency drive	1	
-2	2380	. COLLAR, Dog, washer	1	
		(ATTACHING PARTS)		
-3		. SETSCREW, Hex socket hd, stl, 8-32 x 3/16	4	
		---*---		
-4	2125	. WASHER, Dog	2	
-5		. WASHER, Flat, br, 1/4	3	
-6	5100-25-S-M1	. RING, Retaining (WKI)	3	
-7	59-01-062-0500	. PIN, Roll, 1/16 in. dia by 1/2 in. lg (EN)	2	
-8	2014	. COLLAR, Spring load	1	
		(ATTACHING PARTS)		
-9		. SETSCREW, Hex socket hd, stl, 8-32 x 1/8	2	
		---*---		
-10	2354	. SHAFT, Amplifier vernier	1	
-11	2168	. NUT, Amplifier vernier	1	
		(ATTACHING PARTS)		
-12	2170	. PIN, Post, amplifier vernier	1	
-13	5100-25-S-M1	. RING, Retaining	2	
		---*---		
-14	2169	. ARM, Amplifier	2	
		(ATTACHING PARTS)		
-15	2372	. PIN, Amplifier	1	
-16		. WASHER, Flat, br, 1/4	2	
-17	2161	. SPACER, Amplifier vernier	1	
-18	2481-7	. NUT, Hex, br, 1/4-28	1	
		---*---		
-19	2363	. GEAR, Idler	1	
-20	2375	. SPACER, Stop gear	1	
		(ATTACHING PARTS)		
-21	2077	. WASHER, Flat	1	
-22		. SCREW, Mach, rd hd, br, 10-24 x 1	1	
-23		. WASHER, Lock, int, phos brz, No. 10	1	
		---*---		
-24	2367	. SHAFT ASSEMBLY, Oscillator drive	1	
-25	5100-37-S-M1	. RING, Retaining (NE2097-2) (WKI)	3	
-26	2377	. SPACER, Bearing	1	
-27	S3KDD	. BEARING, Ball (NE2430) (FAF)	5	
-28	2259	. SHAFT ASSEMBLY, Amplifier drive	1	
-29	2167	. COUPLER HEAD	1	
		(ATTACHING PARTS)		
-30		. SETSCREW, Hex socket hd, stl, 8-32 x 1/8	2	
		---*---		
-31	F4DDC1	. BEARING, Ball (NE2100) (FAF)	1	
-32	2126	. COLLAR, Spring retaining	1	
		(ATTACHING PARTS)		
-33		. SETSCREW, Hex socket hd, stl, 8-32 x 1/4	2	
		---*---		
-34	2110	. SPRING, Compression	1	
-35	2343	. SHAFT ASSEMBLY, Oscillator rotor	1	
-36	2397	. SHAFT ASSEMBLY, Amplifier rotor	1	
-37	2376	. WASHER, Bearing	2	
		(ATTACHING PARTS)		
-38		. SCREW, Mach, rd hd, br, 6-32 x 3/8	4	
		. WASHER, Lock, int, No. 6	4	
	5100-37-S-M1	. RING, Retaining (WKI)	1	
		---*---		
-39	2359	. GEAR, Worm	2	

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
17-		(ATTACHING PARTS)		
-40		. SETSCREW, Hex socket hd, stl, 8-32 x 1/4	4	
		---*---		
-41	10-006	. GASKET, Wire braid, monel (NE2109-2) (METC)	1-1/2 in.	
-42	MS3KDD	. BEARING, Ball (FAF)	1	
-43	2335	. WASHER ASSEMBLY, Shield, outer	2	
-44	2333	. WASHER ASSEMBLY, Shield, inner, oscillator	1	
-45	2472	. WASHER ASSEMBLY, Shield, inner, amplifier	1	
		(ATTACHING PARTS)		
-46		. SCREW, Mach, rd hd, br, 6-32 x 1/2	3	
-47		. SCREW, Mach, rd hd, br, 6-32 x 3/4	3	
-48		. SCREW, Mach, fl hd, br, 6-32 x 1/2	3	
-49		. SCREW, Mach, fl hd, br, 6-32 x 3/4	3	
-50	2339	. NUT	1	
-51		. WASHER, Lock, int, No. 6	12	
		---*---		
-52	2305	. ROTOR ASSEMBLY, Oscillator	1	
-53	2306	. ROTOR ASSEMBLY, Amplifier	1	
-54	2399	. INSULATOR, Rotor	2	
		(ATTACHING PARTS)		
-55		. WASHER, Lock, int phos brz, 1/4-20	2	
-56		. WASHER, Flat	2	
-57	2481-6	. NUT, Hex, br, 1/4-20	2	
		---*---		
-58	2174	. SPRING, Loading	1	
		(ATTACHING PARTS)		
-59		. SCREW, Mach rd hd, br, 4-40 x 1/4	2	
		---*---		
18-	No Number	TUBE COMPARTMENT, Generator assembly (See figure 16 for next higher assembly)	Ref	
-1	2326	. CONTACT ASSEMBLY, Oscillator cathode	1	
-2	2340	. SPACER, Oscillator grid	1	
		(ATTACHING PARTS)		
-3		. SCREW, Mach, pan hd, br, 6-32 x 3/8	2	
		---*---		
-4	2141	. WASHER, Bakelite	1	
-5	2063	. SOCKET, Tube	1	
-6	5675	. TUBE, Electron	1	
-7	2139	. CONTACT, Cathode	1	
-8	1512	. BOARD, Terminal (NE2090) (CIN)	1	
		(ATTACHING PARTS)		
-9		. SCREW, Mach, rd hd, br, 6-32 x 3/8	1	
-10		. WASHER, Lock, int, No. 6	1	
		---*---		
-11	RW31G502	. RESISTOR, Fixed, wirewound	1	
-12	RC42BF471K	. RESISTOR, Fixed, comp, 470 ohms, ±10%, 2 w	1	
-13	BR377PHSPTD	. SOCKET, Electron tube (ELCL)	1	
-14	101W	. CLAMP, Tube (Tub-Lok)	1	
-15	102B	. BASE, Tube clamp	1	
		(ATTACHING PARTS)		
-16		. SCREW, Mach, rd hd, br, 4-40 x 3/4	2	
-17		. WASHER, Lock, int, No. 4	2	
		---*---		
-18	2504-08-00	. LUG, Solder, No. 8 (NE2482-3) (SH)	1	
-19	2381	. STRAP, Grounding	1	

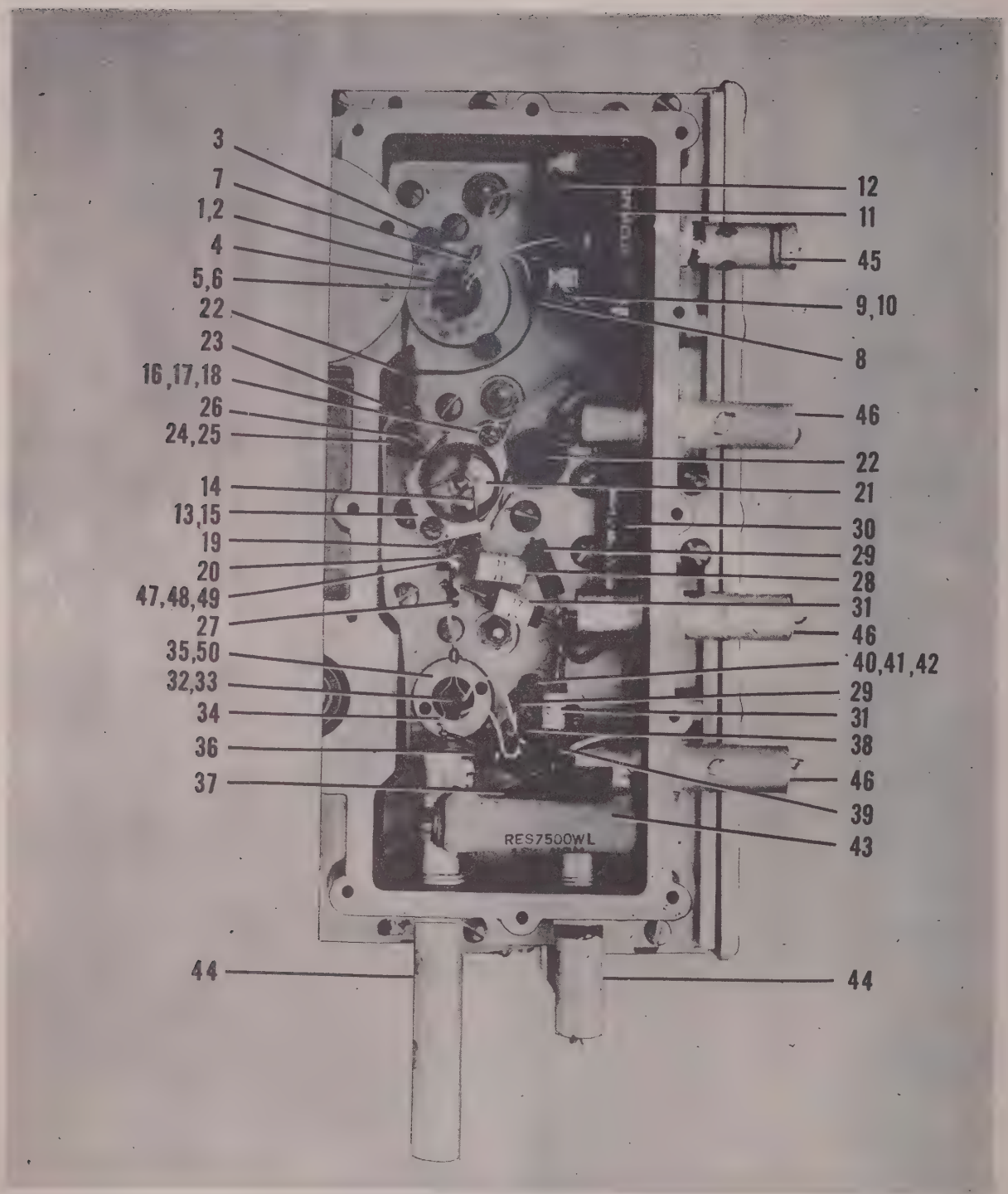


Figure 18. Tube Compartment, Generator Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
18-20	2415	. COIL, R.F.	1	
-21	6BC4	. TUBE, Electron	1	
-22	CK62Y222Z	. CAPACITOR, Fixed, uuf -20%, +100%, 2 k (NE2031) (ERC)	2	
-23	1512	. BOARD, Terminal (NE2090) (CIN) (ATTACHING PARTS)	1	
-24		. SCREW, Mach, rd hd, br, 6-32 x 3/8	1	
-25		. WASHER, Lock, int, No. 6 ---*---	1	
-26	RC20GF101K	. RESISTOR, Fixed, comp, 100 ohms, ±10%, 1/2 w	1	
-27	16669-2	. CAPACITOR, Fixed, mica, 56 uuf, ±10%, 1/2 w (NE2058) (SMO)	1	
-28	2408	. CHOKE, R.F.	1	
-29	RC20GF102K	. RESISTOR, Fixed, comp, 1000 ohms, ±10%, 1 w	2	
-30	CP05A1EE104M	. CAPACITOR, Fixed, paper, 100,000 uuf, ±20%, 400 v	1	
-31	2422	. CHOKE, R.F.	2	
-32	22YY1003	. SOCKET, Electron tube (GRAY)	1	
-33	JA5876	. TUBE, Electron	1	
-34	2139	. CONTACT, Cathode	1	
-35	2424	. NUT, Inner	1	
-36	RC32GF331K	. RESISTOR, Fixed, comp, 330 ohms, ±10%, 1 w	1	
-37	2135	. RECTIFIER, Crystal diode (NE2076) (HUG)	1	
-38	2409	. FILTER, Low pass	1	
-39	1510	. BOARD, Terminal (NE2046) (CIN)	1	
-40	2504-06-00	. LUG, Solder, No. 6 (NE2482-2) (SH) (ATTACHING PARTS)	1	
-41		. SCREW, Mach, rd hd, br, 6-32 x 1/8	1	
-42		. WASHER, Lock, int, No. 6 ---*---	1	
-43	RW32G752	. RESISTOR, Fixed, wirewound, 7500 ohms	1	
-44	2309	. FILTER, R.F.	2	
-45	2330	. STRAP, Grounding	1	
-46	2183	. FILTER, R.F.	3	
-47	1520	. BOARD, Terminal (NE2047) (CIN) (ATTACHING PARTS)	2	
-48		. SCREW, Mach, rd hd, br, 6-32 x 1/8	2	
-49		. WASHER, Lock, int, No. 6 ---*---	2	
-50	5427-11	. "O" RING (PA)	1	
19-	No Number	TUNER COMPARTMENT, Generator chassis assembly (See figure 16 for next higher assembly)	Ref	
-1	2238	. WEB, Turret (ATTACHING PARTS)	1	
-2		. SCREW, Mach, rd hd, br, 10-32 x 1/2	10	
-3		. WASHER, Lock, int, No. 10 ---*---	10	
-4	2560-10-00	. LUG, Solder, flat, No. 10 (NE2482-2) (SH)	1	
-5	2257	. COIL ASSEMBLY, Amplifier (See figure 20) (ATTACHING PARTS)	1	
-6		. SETSCREW, Hex socket hd, stl, 8-32 x 1/4 ---*---	2	
-7	2260	. COIL ASSEMBLY, Oscillator (See figure 21) (ATTACHING PARTS)	1	
-8		. SETSCREW, Hex socket hd, stl, 8-32 x 1/4 ---*---	2	
-9	2371	. SHAFT, Turret	1	

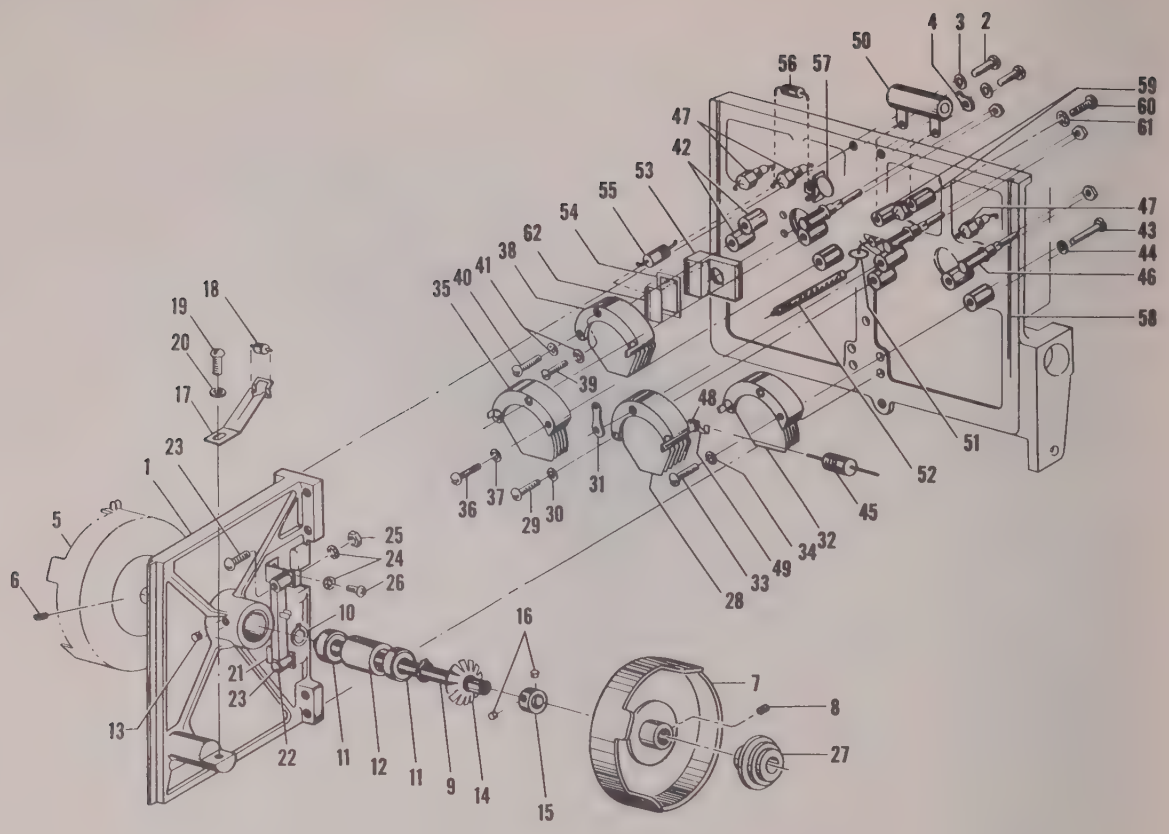


Figure 19. Tuner Compartment, Generator Chassis

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
19-10	5100-37-S-M1	. RING, Retaining (NE2097-2) (WKI)	1	
-11	S3KDD	. BEARING, Ball (FAF)	2	
-12	2377	. SPACER, Bearing	1	
		(ATTACHING PARTS)		
-13		. SETSCREW, Hex socket hd, stl, 8-32 x 1/4	1	
		---*---		
-14	2442	. WASHER, Grounding	1	
-15	2126	. COLOR, Spring retaining	1	
		(ATTACHING PARTS)		
-16		. SETSCREW, hex socket hd, stl, 8-32 x 1/8	2	
		---*---		
-17	2327	. SPRING, Detent	1	
-18	2353	. ROLLER, Detent	1	
		(ATTACHING PARTS)		
-19		. SCREW, Mach, rd hd, br, 10-24 x 3/8	1	
-20		. WASHER, Lock, int, No. 10	1	
		---*---		
-21	2324	. CONTACT ASSEMBLY, Coil	1	
		(ATTACHING PARTS)		
-22	2362	. CLIP, Terminal mounting	2	
-23		. SCREW, Mach, rd hd, br, 6-32 x 1/4	2	
-24		. WASHER, Lock, int, No. 6	6	
-25		. NUT, Hex, br, 6-32	2	
-26		. SCREW, Mach, rd hd, br, 6-32 x 7/8	2	
		---*---		

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
19-27	2122	. COUPLER, Flexible	1	
-28	2386	. STATOR ASSEMBLY, Oscillator grid	1	
		(ATTACHING PARTS)		
-29		. SCREW, Mach, rd hd, br, 6-32 x 7/8	2	
-30		. WASHER, Lock, int, No. 6	2	
		---*---		
-31	2504-06-00	. LUG, Solder, No. 6 (SH)	1	
-32	2385	. STATOR ASSEMBLY, Oscillator plate	1	
		(ATTACHING PARTS)		
-33		. SCREW, Mach, rd hd, br, 6-32 x 7/8	2	
-34		. WASHER, Int, No. 6	2	
		---*---		
-35	2387	. STATOR ASSEMBLY, Amplifier plate	1	
		(ATTACHING PARTS)		
-36		. SCREW, Mach, rd hd, br, 6-32 x 7/8	2	
-37		. WASHER, Int, No. 6	2	
		---*---		
-38	2388	. STATOR ASSEMBLY, Amplifier grid	1	
		(ATTACHING PARTS)		
-39		. SCREW, Mach, rd hd, br, 6-32 x 3/4	1	
-40		. SCREW, Mach, rd hd, br, 6-32 x 7/8	1	
-41		. WASHER, Lock, int, No. 6	2	
		---*---		
-42	2037	. INSULATOR, Standoff	8	
		(ATTACHING PARTS)		
-43		. SCREW, Mach, rd hd, br, 6-32 x 1/2	8	
-44		. WASHER, Lock, int, No. 6	8	
		---*---		
-45	RC42GF123K	. RESISTOR, Fixed, comp, 12,000 ohms, ±10%, 2 w	1	
-46	680015	. CAPACITOR, Variable, 5-3 uuf (NE2042-1) (CGW)	3	
-47	327-102	. CAPACITOR, Fixed, feed-through, 1000 uuf (NE2112) (ERC)	4	
-48	515C15	. CAPACITOR, Fixed, 100 uuf (Ne2087) (SPR)	1	
-49	2140	. CONTACT, Oscillator grid	1	
-50	RW31G312	. RESISTOR, Fixed, wirewound, 3100 ohms	1	
-51	16425-2	. CAPACITOR, Fixed, ceramic, 550 uuf (NE2058-2) (SMO)	1	
-52	2413	. CABLE, Coupling	1	
-53	2382	. CONTACT, Amplifier grid	1	
-54	2323	. CAPACITOR, Fixed, mica, dielectric 60 uuf, ±2%	1	
-55	RC32GF471K	. RESISTOR, Fixed, comp, 47 ohms, ±10%, 1 w	1	
-56	RC32GF102K	. RESISTOR, Fixed, comp, 1000 ohms, ±10%, 1 w	1	
-57	CK63Y103Z	. CAPACITOR, Fixed, ceramic, 10,000 uuf, +100% -20%, 500 v (ERC)	1	
-58	10-006	. GASKET, R.F. shielding (MMME)	5 ft	
-59	NS5W0108	. INSULATOR, Standoff (GMC)	2	
		(ATTACHING PARTS)		
-60		. SCREW, Mach, rd hd, br, 6-32 x 1/2	2	
-61		. WASHER, Lock, int, No. 6	2	
		---*---		
-62	2197-25	. SHIM, 7/8 in. lg by 7/16 in. wide (QQ-B-611)	1	

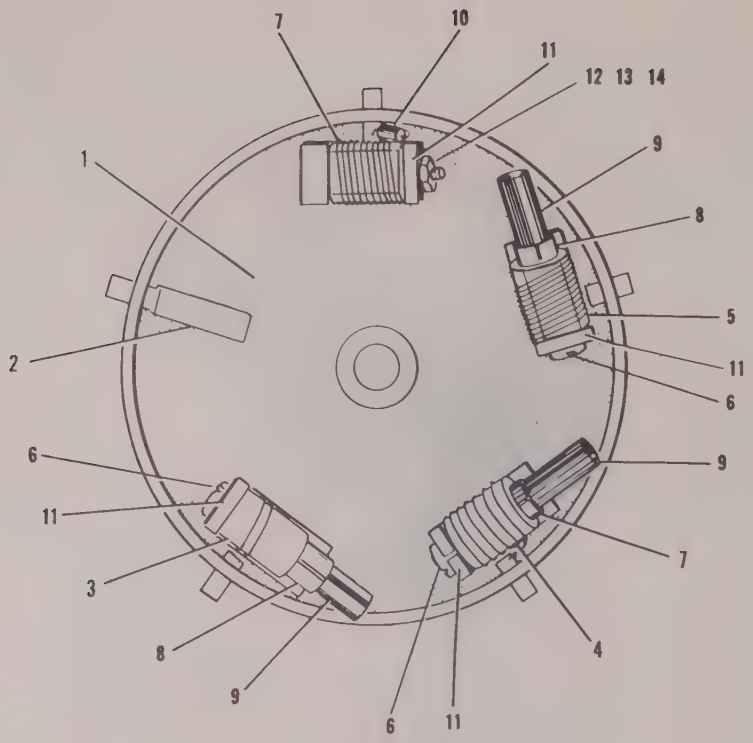


Figure 20. Coil Assembly, Amplifier

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
20-	2257	COIL ASSEMBLY, Amplifier (See figure 19 for next higher assembly)	Ref	
-1	2235	. TURRET, Amplifier	1	
-2	2284	. COIL, Amplifier, 190-420 MC	1	
-3	2283	. COIL, Amplifier, 90-200 MC	1	
-4	2281	. COIL, Amplifier, 42-92 MC	1	
-5	2279	. COIL, Amplifier, 20-44 MC	1	
		(ATTACHING PARTS)		
-6	2484-5	. SCREW, Binder head, 6-32 NC-2 by 1/2 in. lg	3	
		---*---		
-7	2277	. COIL, Amplifier, 10-20 MC	1	
-8	2147	. SLEEVE	3	
-9	2146	. PLUG, Coil	3	
-10	GA.47	. CAPACITOR, Fixed, mica, 0.47 uuf, ±5% (NE2082-1) (STL)	1	
-11	2035	. BRACKET, Coil	4	
		(ATTACHING PARTS)		
-12	2484-2	. SCREW, Binding head, 6-32 NC-2 by 3/8 in. lg	4	
-13	AN935-6	. WASHER, Lock, int, No. 6	4	
-14	AN340B6	. NUT, Hex, br, 6-32	4	
		---*---		

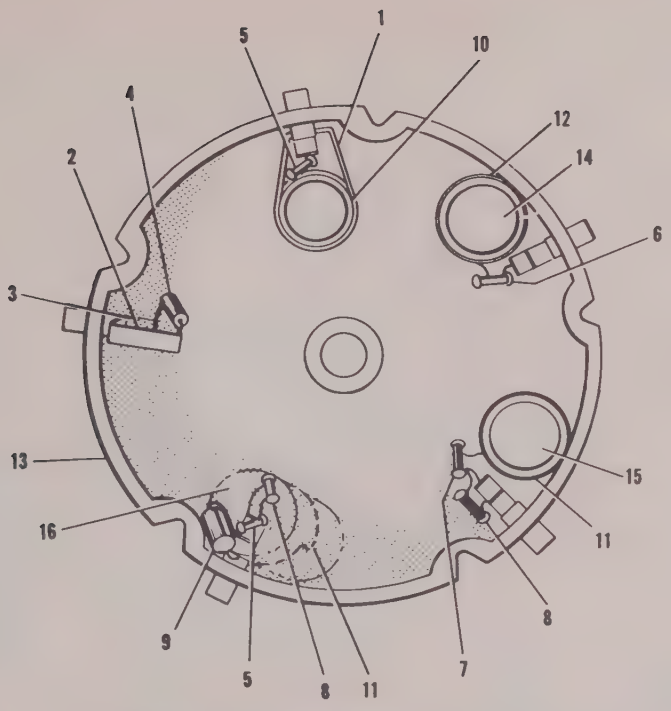


Figure 21. Coil Assembly, Oscillator

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
21-	2260	COIL ASSEMBLY, Oscillator (See figure 19 for next higher assembly)	Ref	
-1	2393	. COIL, 90-200 MC	1	
-2	2391	. COIL, High frequency oscillator	1	
-3	2392	. COIL, Coupling, oscillator	1	
-4	RC20GF120K	. RESISTOR, Fixed, comp, 12 ohms, ±10%, 1/2 w	1	
-5	997CX-27±10%	. RESISTOR, Fixed, comp, 27 ohms, ±10% (GBR)	2	
-6	997CX-100±10%	. RESISTOR, Fixed, comp, 100 ohms, ±10% (GBR)	1	
-7	997CX-47±10%	. RESISTOR, Fixed, comp, 47 ohms, ±10% (GBR)	1	
-8	997CX-150±10%	. RESISTOR, Fixed, comp, 150 ohms, ±10% (GBR)	2	
-9	CC21CH050D	. CAPACITOR, Fixed, ceramic, 50 uuf, ±5%	1	
-10	2365	. RING, Inductance adjust	1	
-11	2142-1	. RING, Inductance adjust	2	
-12	2142-2	. RING, Inductance adjust	1	
	2246	. COIL, Subassembly, oscillator	1	
-13	2236	. . TURRET, Oscillator	1	
-14	2151	. . COIL, 46-100 MC	1	
-15	2390	. . COIL, 21-46 MC	1	
-16	2389	. . COIL, 10-21 MC	1	

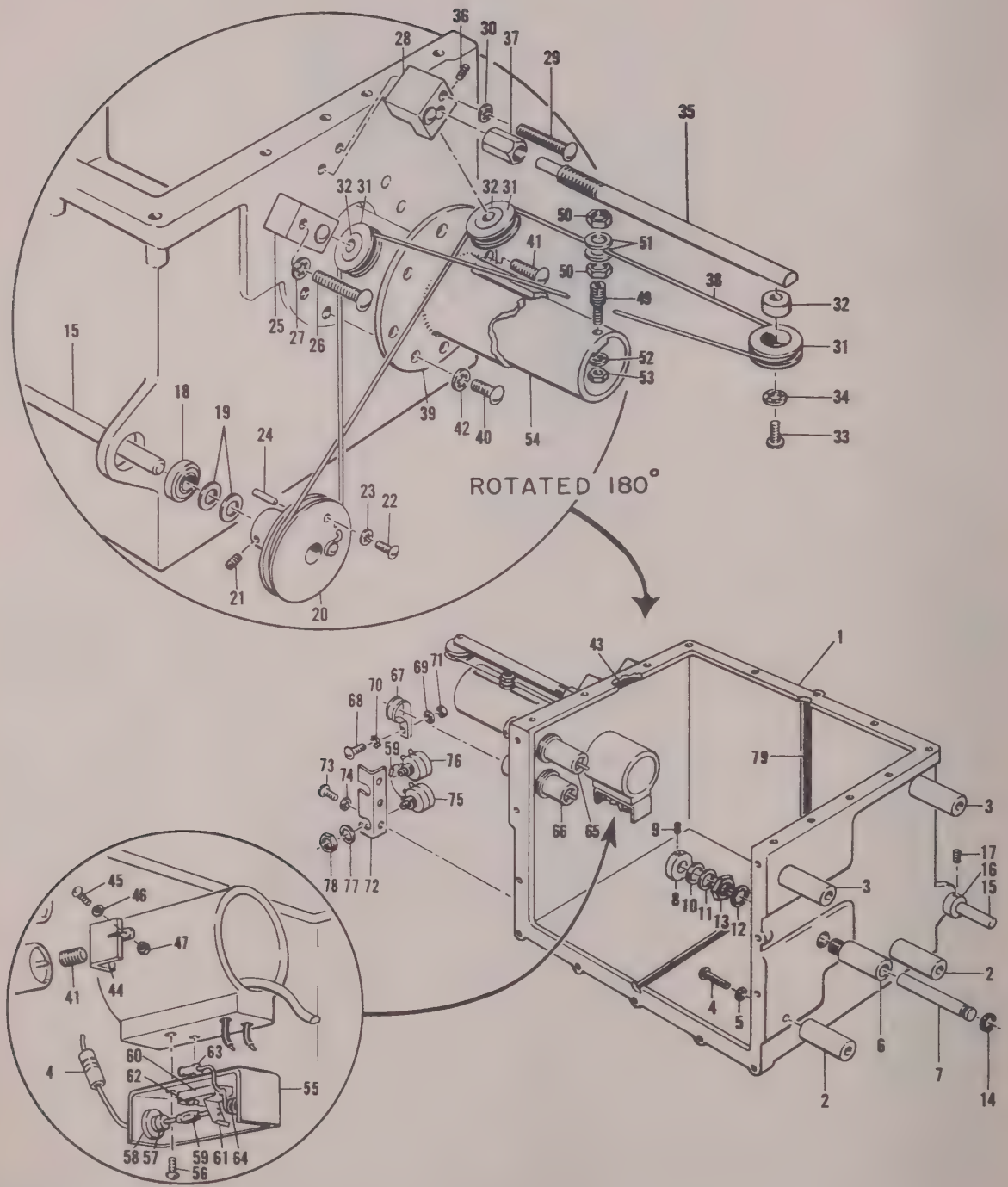


Figure 22. Housing Assembly, Generator

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
22-	2198	HOUSING ASSEMBLY, Generator (See figure 16 for next higher assembly)	Ref	
-1	2256	. HOUSING ASSEMBLY	1	
-2	2303-1	. SPACER, Panel	2	
-3	2303-2	. SPACER, Panel	2	
		(ATTACHING PARTS)		
-4		. SCREW, Mach, rd hd, stl stl, 10-24 x 1	4	
-5		. WASHER, Lock, int, No. 10	4	
		---*---		
-6	2349	. BUSHING, Fine frequency adjust	1	
-7	2350	. SHAFT, Fine frequency adjust	1	
-8	2348	. ROTOR, Fine frequency adjust	1	
		(ATTACHING PARTS)		
-9		. SETSCREW, Hex socket hd, stl, 8-32 x 1/8	1	
-10	2141	. WASHER, Bakelite	1	
-11	2124	. WASHER, Compression	1	
-12		. WASHER, Lock, int, 3/8	1	
-13	2053	. NUT, Hex, brass, NP, 3/8-32	1	
		---*---		
-14	5100-25-S-M1	. RING, Retaining (WKI)	1	
-15	2157	. SHAFT, Attenuator drive	1	
-16	2014	. COLLAR, Spring load	1	
		(ATTACHING PARTS)		
-17	AN535D532H2	. SETSCREW	2	
		---*---		
-18	F4DDC1	. BEARING, Ball	1	
-19	AN961-416	. WASHER, Flat, brass, No. 1/4	2	
-20	2351	. PULLEY, Attenuator drive	1	
		(ATTACHING PARTS)		
-21		. SETSCREW, Hex, sq hd, stl, 8-32 x 1/4	2	
-22		. SCREW, Mach, rd hd, br, 4-40 x 1/4	2	
-23		. WASHER, Flat, br, 1/4	2	
		---*---		
-24	59-077-094-0500	. PIN, Roll, 3/32 in. OD, 1/2 in. lg (EN)	1	
-25	2360	. SUPPORT	1	
		(ATTACHING PARTS)		
-26		. SCREW, Mach, rd hd, br, 6-32 x 1-1/4	2	
-27		. WASHER, Lock, int, No. 6	2	
		---*---		
-28	2355	. SUPPORT	1	
		(ATTACHING PARTS)		
-29		. SCREW, Mach, rd hd, br, 6-32 x 1-1/4	2	
-30		. WASHER, Lock, int, No. 6	2	
		---*---		
-31	2366	. PULLEY, Attenuator idler	3	
-32	33K5	. BEARING, Ball (FAF)	3	
		(ATTACHING PARTS)		
-33	2484-1	. SCREW, Mach, binding hd, steel, No. 8-32 by 3/8 in. lg	3	
-34		. WASHER, Lock, int, No. 8	3	
		---*---		
-35	2356	. SUPPORT, Attenuator drive	1	
		(ATTACHING PARTS)		
-36		. SETSCREW, Hex socket hd, stl, 8-32 x 1/4	1	
		---*---		
-37	2357	. NUT, Hex, locking	1	
-38	82000	. CABLE, Mechanical (RRB)	1	
-39	2216	. TUBE ASSEMBLY, Attenuator	1	
		(ATTACHING PARTS)		
-40		. SCREW, Mach, rd hd, br, 6-32 x 1/2	7	
-41		. SCREW, Mach, rd hd, br, 6-32 x 3/4	1	
-42		. WASHER, Lock, int, No. 6	8	
		---*---		

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
22-43	10-006	. GASKET (METC)	3 ft	
-44	1510	. BOARD, Terminal (NE2046) (CIN)	1	
		(ATTACHING PARTS)		
-45		. SCREW, Mach, rd hd, br, 6-32 x 3/4	1	
-46		. WASHER, Lock, int, No. 6	1	
-47		. NUT, Hex, br, 6-32	1	
		---*---		
-48	RC32GF152K	. RESISTOR, Fixed, comp, 1500 ohms, ±10%, 1 w	1	
-49	2173	. CLAMP, Attenuator cable	1	
		(ATTACHING PARTS)		
-50		. NUT, Hex, br, 4-40	1	
-51	2486-3	. WASHER, Flat, fibre, No. 10	2	
-52		. WASHER, Lock, int, No. 4	1	
-53		. NUT, Hex, br, 4-40	2	
		---*---		
-54	2224	. ATTENUATOR ASSEMBLY (See figure 24)	1	
-55	2133	. SHIELD, Bolometer	1	
		(ATTACHING PARTS)		
-56		. SCREW, Mach, rd hd, br, 2-56 x 1/8	2	
		---*---		
-57	16425-2	. CAPACITOR, Fixed, mica (SMO)	1	
-58	2135	. HOLDER, Bolometer, rectifier	1	
-59	IN82	. RECTIFIER, Crystal (NE2101) (SLE)	2	
-60	2136	. INSULATOR	1	
-61	2134	. CLIP, Bolometer, rectifier	1	
		(ATTACHING PARTS)		
-62		. SCREW, Mach, rd hd, br, 2-56 x 1/8	2	
		---*---		
-63	997CX-100±10%	. RESISTOR, Fixed, comp, 100 ohms, ±10% (NE2059-5) (GBR)	1	
-64	2138	. COIL, Bolometer loading	1	
-65	2310	. FILTER, R.F.	1	
-66	2182	. FILTER, R.F.	1	
-67	2330	. STRAP, Grounding	1	
		(ATTACHING PARTS)		
-68		. SCREW, Mach, rd hd, br, 2-56 x 1/8	1	
-69		. WASHER, Lock, int, No. 2	1	
-70		. WASHER, Lock, ext, No. 2	1	
-71		. NUT, Hex, br, 2-56	1	
		---*---		
-72	2434	. BRACKET	1	
		(ATTACHING PARTS)		
-73		. SCREW, Mach, rd hd, br, 6-32 x 1/4	2	
-74		. WASHER, Lock, int, No. 6	2	
		---*---		
-75	RV4ATSC203B	. RESISTOR, Variable, comp, 20,000 ohms, ±20%, 2 w	1	
-76	RV4ATSA152A	. RESISTOR, Variable, comp, 1500 ohms, ±10%, 2 w	1	
		(ATTACHING PARTS)		
-77		. WASHER, Lock, int, tooth, phos brz, 3/8	2	
-78	2053	. NUT, Hex, br, 3/8-32	2	
		---*---		
-79	10-032	. GASKET, Shielding, R.F. (NE2109-1) (METC)	AR	

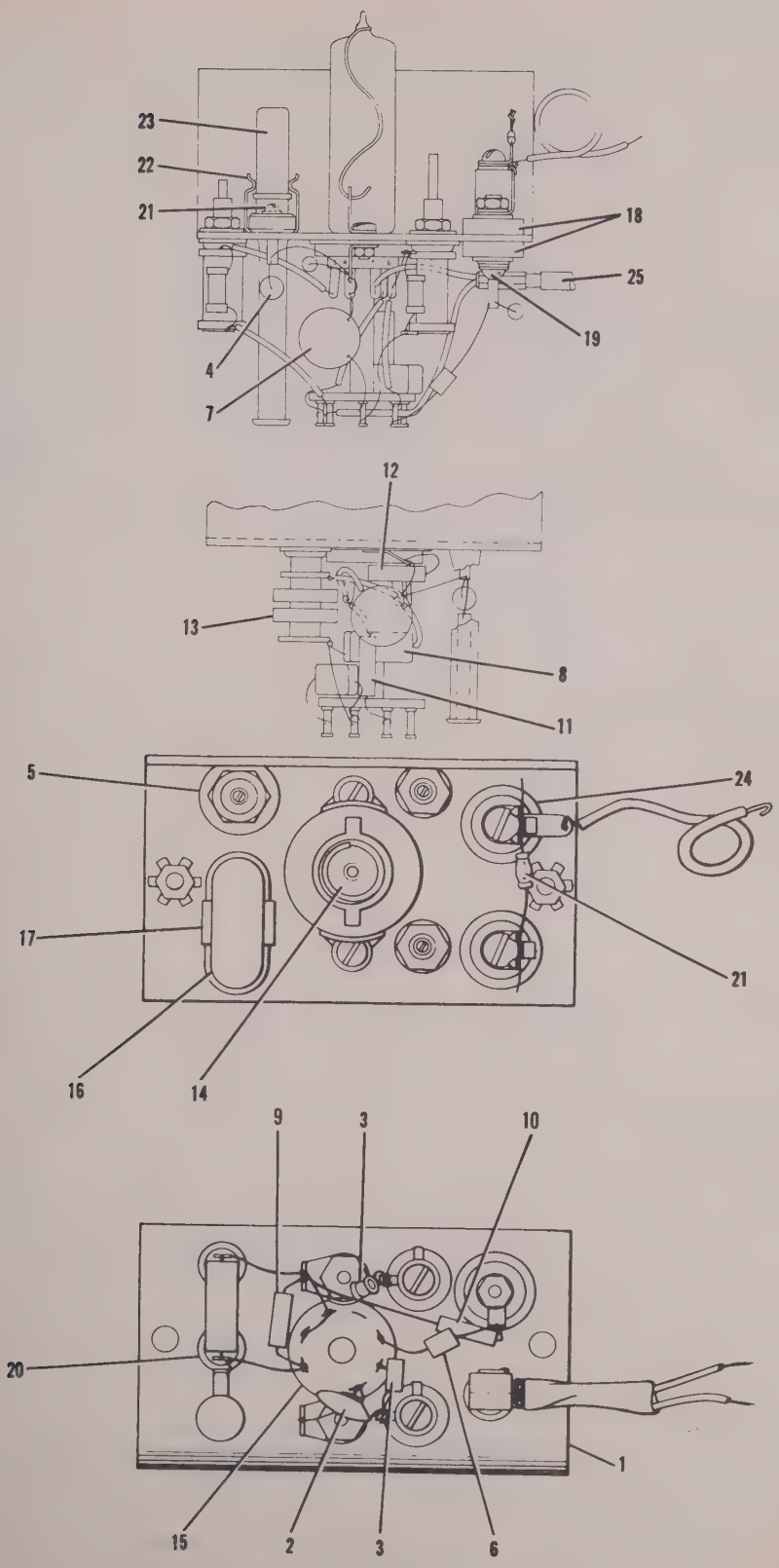


Figure 23. Crystal Calibrator Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
23-	2247	CRYSTAL CALIBRATOR ASSEMBLY (See figure 16 for next higher assembly)	Ref	
-1	2331	. BRACKET, Crystal calibrator	1	
-2	CM15C101J	. CAPACITOR, Fixed, mica, 100 uuf, ±5%	1	
-3	CC30CH470J	. CAPACITOR, Fixed, ceramic, 47 uuf, ±5%	2	
-4	CC21CH100D	. CAPACITOR, Fixed, ceramic, 10 uuf, ±0.5 uuf, 500 v	1	
-5	680021	. CAPACITOR, Variable, air, 1-12 uuf, ±10% (CGW)	1	
-6	GA-4	. CAPACITOR, Fixed, plastic, 2.2 uuf, ±10% (STL)	1	
-7	CK62Y472Z	. CAPACITOR, Fixed, ceramic, 4700 uuf, +100% -0%	1	
-8	CM15C680J	. CAPACITOR, Fixed, mica, 68 uuf, ±5%	1	
-9	RC20GF513J	. RESISTOR, Fixed, comp, 51,000 ohms, ±10%, 1/2w	1	
-10	RC20GF392K	. RESISTOR, Fixed, mica, 3900 ohms, ±10%, 1/2 w	1	
-11	RC20GF512J	. RESISTOR, Fixed, comp, 5100 ohms, ±5%, 1/2 w	1	
-12	RC20GF273K	. RESISTOR, Fixed, comp, 27,000 ohms, ±10%, 1/2 w	1	
-13	2253	. COIL, R.F. IMC	1	
-14	JAN6U8	. TUBE, Electron	1	
-15	T17277PHSPTD	. SOCKET, Electron tube (ELCL)	1	
-16	2135	. CRYSTAL, Diode (NE2076) (HUG)	1	
-17	2121	. CLIP, Crystal diode	2	
-18	1493-00	. INSULATOR, Ceramic (NE2045) (GCM) (ATTACHING PARTS)	2	
-19		. SCREW, Mach, rd hd, br, 6-32 x 3/4	1	
		. WASHER, Lock, int, phos brz, No. 6	1	
	2486-2	. WASHER, Flat, fibre, No. 6	2	
		. NUT, Hex, br, 6-32	1	
	2504-06-00	. LUG, Solder, No. 6 (SH)	1	
		---*---		
-20	430-BC	. SOCKET, Crystal (NE2064) (ELCL) (ATTACHING PARTS)	1	
-21		. SCREW, Mach, rd hd, br, 2-56 x 1/2	1	
		. WASHER, Lock	1	
	2486-1	. WASHER, Flat, fibre, No. 2	1	
		. NUT, Hex, br, 2-56	1	
		---*---		
-22	2156	. CLIP, Crystal retaining	1	
-23	CR-18/U	. CRYSTAL, 5 MC	1	
-23	2044	. INSULATOR, Standoff	1	
-25	2418	. CABLE, Calibrator filament	1	

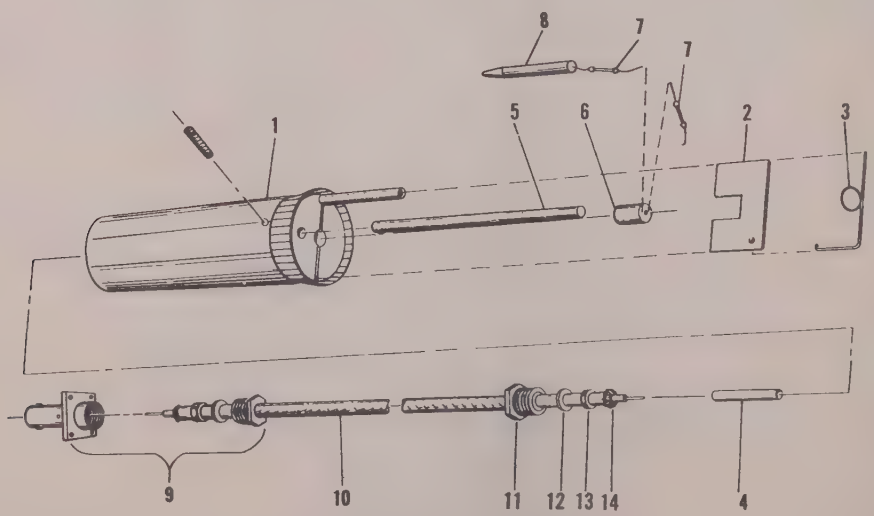


Figure 24. Attenuator Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
24-	2224	ATTENUATOR ASSEMBLY (See figure 22 for next higher assembly)	Ref	
-1	2251	. MOUNT,Attenuator	1	
-2	2444	. PLATE	1	
-3	2325	. LOOP, Pickup, attenuator	1	
-4	2165	. ROTOR, Attenuator cap	1	
-5	2445	. SLEEVE, Attenuator cap	1	
-6	2446	. BUSHING	1	
-7	DC-291/U	. RESISTOR, Fixed, film, 53.3 ohms, ±10% (ETR)	2	
-8	2166	. STATOR	1	
-9	UG556/U	. CONNECTOR, Female	1	
-10	RG-55/U	. CABLE, Coaxial	54 in.	
-11	RE49F246N-3	. NUT, Connector	1	
-12	RE49F246N-16	. WASHER, Connector	1	
-13	RE49F246N-11	. GASKET, Connector	1	
-14	RE49F246N-10	. CLAMP, Connector	1	

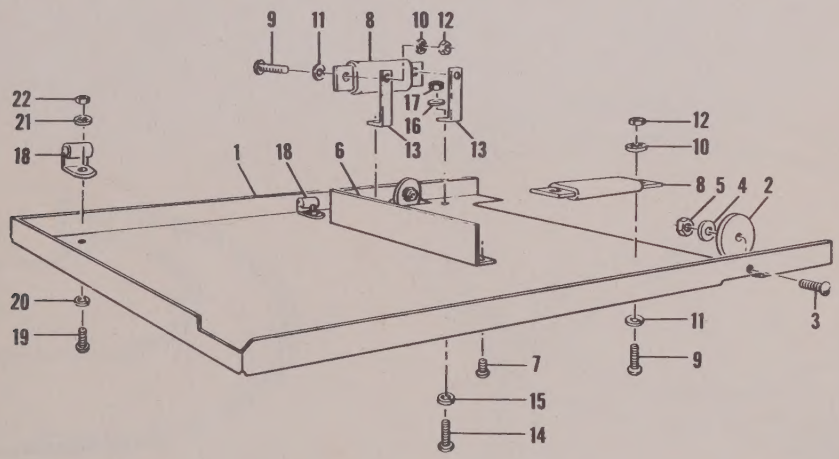
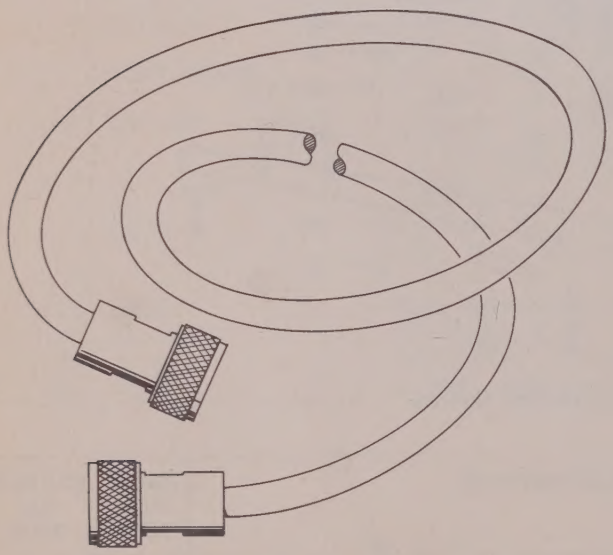


Figure 25. Plate Assembly, Bottom

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
25-	No Number	PLATE ASSEMBLY, Bottom (See figure 3 for next higher assembly)	Ref	
-1	2206	. PLATE, Bottom	1	
-2	2425	. ROLLER, Support	2	
		(ATTACHING PARTS)		
-3		. SCREW, Mach, rd hd, stl stl, 8-32 x 3/4	2	
-4		. WASHER, int, No. 8	2	
-5		. NUT, Hex, br, 8-82	2	
		---*---		
-6	2292	. BRACKET, Casting support	1	
		(ATTACHING PARTS)		
-7		. SCREW, Mach, rd hd, br, 6-32 x 9/16	3	
		---*---		
-8	RW21G801	. RESISTOR, Fixed, wirewound, 800 ohms	2	
		(ATTACHING PARTS)		
-9		. SCREW, Mach, rd hd, br, 6-32 x 3/4	4	

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
25-10		. WASHER, Lock, int tooth, No. 6	4	
-11		. WASHER, Lock, ext tooth, No. 6	4	
-12		. NUT, Hex, br, No. 6	4	
		. SPACER, Brass, 1/4 by 3/8 in. lg	2	
		---*---		
-13	2130	. SUPPORT	2	
		(ATTACHING PARTS)		
-14		. SCREW, Mach, rd hd, 6-32 x 3/8	4	
-15		. WASHER, Lock, int tooth, No. 6	4	
-16		. WASHER, Flat, br, No. 6	4	
-17		. NUT, Hex, No. 6-32	4	
		---*---		
-18	3/8-6	. CLAMP, Electrical (NE2084-2) (WECK)	4	
		(ATTACHING PARTS)		
-19		. SCREW, Mach, rd hd, 6-32 x 3/8	4	
-20		. WASHER, Lock, int tooth, No. 6	4	
-21		. WASHER, Flat, br, No. 6	4	
-22		. NUT, Hex, br, No. 6-32	4	
		---*---		



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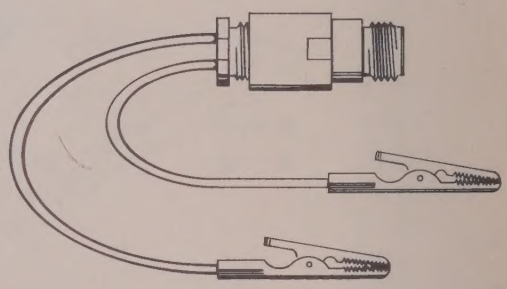

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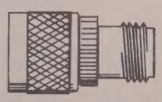

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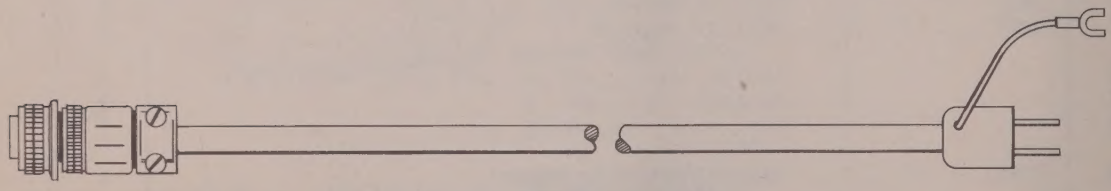

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FIG. 25 CABLES & ACCESSORIES